

Met Glu Phe Lys Ala Val Gln Gln Val Gln Arg Leu Pro Phe Leu Ser
85 90 95
Ser Ser Asn Leu Ser Leu Asp Val Leu Arg Gly Asn Asp Glu Thr Ile
100 105 110
Gly Phe Glu Asp Ile Leu Asn Asp Pro Ser Gln Ser Glu Val Met Gly
115 120 125
Glu Pro His Leu Met Val Glu Tyr Lys Leu Gly Leu Leu
130 135 140

<210> 7896
<211> 306
<212> PRT
<213> Homo sapiens

<400> 7896
Met Asn Lys Leu Lys Ser Ser Gln Lys Asp Lys Val Arg Gln Phe Met
1 5 10 15
Ile Phe Thr Gln Ser Ser Glu Lys Thr Ala Val Ser Cys Leu Ser Gln
20 25 30
Asn Asp Trp Lys Leu Asp Val Ala Thr Asp Asn Phe Phe Gln Asn Pro
35 40 45
Glu Leu Tyr Ile Arg Glu Ser Val Lys Gly Ser Leu Asp Arg Lys Lys
50 55 60
Leu Glu Gln Leu Tyr Asn Arg Tyr Lys Asp Pro Gln Asp Glu Asn Lys
65 70 75 80
Ile Gly Ile Asp Gly Ile Gln Gln Phe Cys Asp Asp Leu Ala Leu Asp
85 90 95
Pro Ala Ser Ile Val Cys
100

<210> 7897
<211> 543
<212> PRT
<213> Homo sapiens

<400> 7897
Met Gly Asn Ile Phe Ala Asn Leu Phe Lys Gly Leu Phe Gly Lys Lys
1 5 10 15
Glu Met Arg Ile Leu Met Val Gly Leu Asp Ala Ala Gly Lys Thr Thr
20 25 30
Ile Leu Tyr Lys Leu Lys Leu Gly Glu Ile Val Thr Thr Ile Pro Thr
35 40 45
Ile Gly Phe Asn Val Glu Thr Val Glu Tyr Lys Asn Ile Ser Phe Thr
50 55 60
Val Trp Asp Val Gly Gly Gln Asp Lys Ile Arg Pro Leu Trp Arg His
65 70 75 80
Tyr Phe Gln Asn Thr Gln Gly Leu Ile Phe Val Val Asp Ser Asn Asp
85 90 95
Arg Glu Arg Val Asn Glu Ala Arg Glu Glu Leu Met Arg Met Leu Ala
100 105 110
Glu Asp Glu Leu Arg Asp Ala Val Leu Leu Val Phe Ala Asn Lys Gln
115 120 125
Asp Leu Pro Asn Ala Met Asn Ala Ala Glu Ile Thr Asp Lys Leu Gly
130 135 140

Leu His Ser Leu Arg His Arg Asn Trp Xaa Ile Gln Ala Thr Cys Ala
 145 150 155 160
 Thr Ser Gly Asp Gly Leu Tyr Glu Gly Leu Asp Trp Leu Ser Asn Gln
 165 170 175
 Leu Arg Asn Gln Lys
 180

<210> 7898
 <211> 420
 <212> PRT
 <213> Homo sapiens

<400> 7898
 Met Ser Lys Arg Gly Arg Gly Gly Ser Ser Gly Ala Lys Phe Arg Ile
 1 5 10 15
 Ser Leu Gly Leu Pro Val Gly Ala Val Ile Asn Cys Ala Asp Asn Thr
 20 25 30
 Gly Ala Lys Asn Leu Tyr Ile Ile Ser Val Lys Gly Ile Lys Gly Arg
 35 40 45
 Leu Asn Arg Leu Pro Ala Ala Gly Val Gly Asp Met Val Met Ala Thr
 50 55 60
 Val Lys Lys Gly Lys Pro Glu Leu Arg Lys Lys Val His Pro Ala Val
 65 70 75 80
 Val Ile Arg Gln Arg Lys Ser Tyr Arg Arg Lys Asp Gly Val Phe Leu
 85 90 95
 Tyr Phe Glu Asp Asn Ala Gly Val Ile Val Asn Asn Lys Gly Glu Met
 100 105 110
 Lys Gly Ser Ala Ile Thr Gly Pro Val Ala Lys Glu Cys Ala Asp Leu
 115 120 125
 Trp Pro Arg Ile Ala Ser Asn Ala Gly Ser Ile Ala
 130 135 140

<210> 7899
 <211> 324
 <212> PRT
 <213> Homo sapiens

<400> 7899
 Met Ala Val Ala Arg Ala Gly Val Leu Gly Val Gln Trp Leu Gln Arg
 1 5 10 15
 Ala Ser Arg Asn Val Met Pro Leu Gly Ala Arg Thr Ala Ser His Met
 20 25 30
 Thr Lys Asp Met Phe Pro Gly Pro Tyr Pro Arg Thr Pro Glu Glu Arg
 35 40 45
 Ala Ala Ala Ala Lys Lys Tyr Asn Met Arg Val Glu Asp Tyr Glu Pro
 50 55 60
 Tyr Pro Asp Asp Gly Met Gly Tyr Gly Asp Tyr Pro Lys Leu Pro Asp
 65 70 75 80
 Arg Ser Gln His Glu Arg Asp Pro Trp Tyr Ser Trp Asp Gln Pro Gly
 85 90 95
 Leu Arg Leu Thr Gly Val Asn Arg Cys Thr Gly Thr
 100 105

<210> 7900

<211> 495
 <212> PRT
 <213> Homo sapiens

<400> 7900

Met	Phe	Phe	Ser	Ala	Ala	Leu	Arg	Ala	Arg	Ala	Ala	Gly	Leu	Thr	Ala
1			5						10					15	
His	Trp	Gly	Arg	His	Val	Arg	Asn	Leu	His	Lys	Thr	Ala	Met	Gln	Asn
		20					25						30		
Gly	Ala	Gly	Gly	Ala	Leu	Phe	Val	His	Arg	Asp	Thr	Pro	Glu	Asn	Asn
		35				40						45			
Pro	Asp	Thr	Pro	Phe	Asp	Phe	Thr	Pro	Glu	Asn	Tyr	Lys	Arg	Ile	Glu
	50				55						60				
Ala	Ile	Val	Lys	Asn	Tyr	Pro	Glu	Gly	His	Lys	Ala	Ala	Ala	Val	Leu
65				70					75					80	
Pro	Val	Leu	Asp	Leu	Ala	Gln	Arg	Gln	Asn	Gly	Trp	Leu	Pro	Ile	Ser
			85					90						95	
Ala	Met	Asn	Lys	Val	Ala	Glu	Val	Leu	Gln	Val	Pro	Pro	Met	Arg	Val
			100					105					110		
Tyr	Glu	Val	Ala	Thr	Phe	Tyr	Thr	Met	Tyr	Asn	Arg	Lys	Pro	Val	Gly
		115				120						125			
Lys	Tyr	His	Ile	Gln	Val	Cys	Thr	Thr	Thr	Pro	Cys	Met	Leu	Arg	Asn
	130				135						140				
Ser	Asp	Ser	Ile	Leu	Glu	Ala	Ile	Gln	Lys	Lys	Leu	Gly	Asn	Lys	Gly
145				150						155					160
Trp	Gly	Asp	Tyr	Thr											
				165											

<210> 7901
 <211> 360
 <212> PRT
 <213> Homo sapiens

<400> 7901

Met	Asn	Ser	Ser	Asp	Glu	Glu	Lys	Gln	Leu	Gln	Leu	Ile	Thr	Ser	Leu
1			5					10						15	
Lys	Glu	Gln	Ala	Ile	Gly	Glu	Tyr	Glu	Asp	Leu	Arg	Ala	Glu	Asn	Gln
		20					25						30		
Lys	Thr	Lys	Glu	Lys	Xaa	Asp	Lys	Ile	Arg	Gln	Glu	Arg	Asp	Glu	Ala
	35					40						45			
Val	Lys	Lys	Leu	Glu	Glu	Phe	Gln	Lys	Ile	Ser	His	Met	Xaa	Ile	Glu
	50				55						60				
Glu	Val	Asn	Phe	Met	Gln	Asn	His	Leu	Glu	Ile	Glu	Lys	Thr	Cys	Arg
65				70					75					80	
Glu	Ser	Ala	Glu	Ala	Leu	Ala	Thr	Lys	Leu	Asn	Lys	Glu	Asn	Lys	Thr
			85					90						95	
Leu	Lys	Arg	Ile	Ser	Met	Leu	Tyr	Met	Ala	Lys	Leu	Gly	Pro	Asp	Val
		100					105						110		
Ile	Thr	Glu	Glu	Ile	Asn	Xaa	Xaa								
		115				120									

<210> 7902
 <211> 303
 <212> PRT

004320"666T560

<213> Homo sapiens

<400> 7902

Met Val Glu Lys Lys Thr Ser Val Arg Ser Gln Asp Pro Gly Gln Arg
1 5 10 15
Arg Val Leu Asp Arg Ala Ala Arg Gln Arg Arg Ile Asn Arg Gln Leu
20 25 30
Glu Ala Leu Glu Asn Asp Asn Phe Gln Asp Asp Pro His Ala Gly Leu
35 40 45
Pro Gln Leu Gly Lys Arg Leu Pro Gln Phe Asp Asp Asp Ala Asp Thr
50 55 60
Gly Lys Lys Lys Lys Lys Thr Arg Gly Asp His Phe Lys Leu Arg Phe
65 70 75 80
Arg Lys Asn Phe Gln Ala Leu Leu Glu Glu Gln Asn Leu Ser Val Ala
85 90 95
Glu Gly Leu Thr Thr
100

<210> 7903

<211> 303

<212> PRT

<213> Homo sapiens

<400> 7903

Met Ala Val Val Ser Ala Val Arg Trp Leu Gly Leu Arg Ser Arg Leu
1 5 10 15
Gly Gln Pro Leu Thr Gly Arg Arg Ala Gly Leu Cys Glu Gln Ala Arg
20 25 30
Ser Cys Arg Phe Tyr Ser Gly Ser Ala Thr Leu Ser Lys Val Glu Gly
35 40 45
Thr Asp Val Thr Gly Ile Glu Val Val Ile Pro Lys Lys Lys Thr
50 55 60
Trp Asp Lys Val Ala Val Leu Gln Ala Leu Ala Ser Thr Val Asn Arg
65 70 75 80
Asp Thr Thr Ala Val Pro Tyr Val Phe Gln Asp Asp Pro Tyr Leu Met
85 90 95
Pro Ala Lys His Ile
100

<210> 7904

<211> 303

<212> PRT

<213> Homo sapiens

<400> 7904

Met Gly Lys Gly Asp Pro Lys Lys Pro Arg Gly Lys Met Ser Ser Tyr
1 5 10 15
Ala Phe Phe Val Gln Thr Cys Arg Glu Glu His Lys Lys Lys His Pro
20 25 30
Asp Ala Ser Val Asn Phe Ser Glu Phe Ser Lys Lys Cys Ser Glu Arg
35 40 45
Trp Lys Thr Met Ser Ala Lys Glu Lys Gly Lys Phe Glu Asp Met Ala
50 55 60
Lys Ala Asp Lys Ala Arg Tyr Glu Arg Glu Met Lys Thr Tyr Ile Pro

65 70 75 80
 Pro Lys Gly Glu Thr Lys Lys Lys Phe Lys Asp Pro Asn Ala Pro Lys
 85 90 95
 Arg Pro His Cys Cys
 100

<210> 7905
 <211> 348
 <212> PRT
 <213> Homo sapiens

<400> 7905
 Met Ala Glu Gly Asn His Arg Lys Lys Pro Leu Lys Val Leu Glu Ser
 1 5 10 15
 Leu Gly Lys Asp Phe Leu Thr Gly Val Leu Asp Asn Leu Val Glu Gln
 20 25 30
 Asn Val Leu Asn Trp Lys Glu Glu Glu Lys Lys Lys Tyr Tyr Asp Ala
 35 40 45
 Lys Thr Glu Asp Lys Val Arg Val Met Ala Asp Ser Met Gln Glu Lys
 50 55 60
 Gln Arg Met Ala Gly Gln Met Leu Leu Gln Thr Phe Phe Asn Ile Asp
 65 70 75 80
 Gln Ile Ser Pro Asn Lys Lys Ala His Pro Asn Met Glu Ala Gly Pro
 85 90 95
 Pro Glu Ser Gly Glu Ser Thr Asp Ala Leu Lys Leu Cys Pro His Glu
 100 105 110
 Glu Phe Trp Asn
 115

<210> 7906
 <211> 318
 <212> PRT
 <213> Homo sapiens

<400> 7906
 Met Ala Glu Asp Ala Asp Met Arg Asn Glu Leu Glu Glu Met Gln Arg
 1 5 10 15
 Arg Ala Asp Gln Leu Ala Asp Glu Ser Leu Glu Ser Thr Arg Arg Met
 20 25 30
 Leu Gln Leu Val Glu Glu Ser Lys Asp Ala Gly Ile Arg Thr Leu Val
 35 40 45
 Met Leu Asp Glu Gln Gly Glu Gln Leu Glu Arg Ile Glu Glu Gly Met
 50 55 60
 Asp Gln Ile Asn Lys Asp Xaa Xaa Glu Ala Glu Lys Asn Leu Thr Asp
 65 70 75 80
 Leu Gly Lys Phe Cys Gly Leu Cys Val Cys Pro Xaa Thr Ser Leu Asn
 85 90 95
 Gln Val Met Leu Thr Lys Ser Leu Gly Gln
 100 105

<210> 7907
 <211> 318
 <212> PRT
 <213> Homo sapiens

004220"666F560

<400> 7907

Met Ala Glu Asp Ala Asp Met Arg Asn Glu Leu Glu Glu Met Gln Arg
 1 5 10 15
 Arg Ala Asp Gln Leu Ala Asp Glu Ser Leu Glu Ser Thr Arg Arg Met
 20 25 30
 Leu Gln Leu Val Glu Glu Ser Lys Asp Ala Gly Ile Arg Thr Leu Val
 35 40 45
 Met Leu Asp Glu Gln Gly Glu Gln Leu Glu Arg Ile Glu Glu Gly Met
 50 55 60
 Asp Gln Ile Asn Lys Asp Xaa Xaa Glu Ala Glu Lys Asn Leu Thr Asp
 65 70 75 80
 Leu Gly Lys Phe Cys Gly Leu Cys Val Cys Pro Xaa Thr Ser Leu Asn
 85 90 95
 Gln Val Met Leu Thr Lys Ser Leu Gly Gln
 100 105

<210> 7908

<211> 357

<212> PRT

<213> Homo sapiens

<400> 7908

Met Ala Ala Ile Ala Ala Ser Glu Val Leu Val Asp Ser Ala Glu Glu
 1 5 10 15
 Gly Ser Leu Ala Ala Ala Ala Xaa Leu Ala Ala Gln Lys Arg Glu Gln
 20 25 30
 Arg Leu Arg Lys Phe Arg Glu Leu His Leu Met Arg Asn Glu Ala Arg
 35 40 45
 Lys Leu Asn His Gln Glu Val Val Glu Glu Asp Lys Arg Leu Lys Leu
 50 55 60
 Pro Ala Asn Trp Glu Ala Lys Lys Ala Arg Leu Glu Trp Glu Leu Lys
 65 70 75 80
 Glu Glu Glu Lys Lys Lys Glu Cys Ala Ala Arg Xaa Glu Asp Tyr Xaa
 85 90 95
 Lys Val Lys Leu Leu Glu Ile Ser Ala Glu Asp Ala Glu Arg Trp Glu
 100 105 110
 Arg Lys Arg Arg Gly Lys Xaa
 115

<210> 7909

<211> 312

<212> PRT

<213> Homo sapiens

<400> 7909

Met Ala Ala Leu Phe Leu Lys Arg Leu Thr Leu Gln Thr Val Lys Ser
 1 5 10 15
 Glu Asn Ser Cys Ile Arg Cys Phe Gly Lys His Ile Leu Gln Lys Thr
 20 25 30
 Ala Pro Ala Gln Leu Ser Pro Ile Ala Ser Ala Pro Arg Leu Ser Phe
 35 40 45
 Leu Ile His Ala Lys Ala Phe Ser Thr Ala Glu Asp Thr Gln Asn Glu
 50 55 60

Gly Lys Lys Thr Lys Lys Asn Lys Thr Ala Phe Ser Asn Val Gly Arg
65 70 75 80
Xaa Ile Ser Gln Arg Val Ile His Leu Phe Asp Glu Xaa Ala Met Ile
85 90 95
Trp Glu Thr Cys Thr Glu Gln Met
100

<210> 7910
<211> 363
<212> PRT
<213> Homo sapiens

<400> 7910
Met Lys Val Glu Leu Cys Ser Phe Ser Gly Tyr Lys Ile Tyr Pro Gly
1 5 10 15
His Gly Arg Arg Tyr Ala Arg Thr Asp Gly Lys Val Phe Gln Phe Leu
20 25 30
Asn Ala Lys Cys Glu Ser Ala Phe Leu Ser Lys Arg Asn Pro Arg Gln
35 40 45
Ile Asn Trp Thr Val Leu Tyr Arg Arg Lys His Lys Lys Gly Gln Ser
50 55 60
Glu Glu Ile Gln Lys Lys Arg Thr Arg Arg Ala Val Lys Phe Gln Arg
65 70 75 80
Ala Ile Thr Gly Ala Ser Leu Ala Asp Ile Met Ala Lys Arg Asn Gln
85 90 95
Lys Pro Glu Val Arg Lys Ala Gln Arg Glu Gln Ala Ile Arg Xaa Leu
100 105 110
Xaa Arg Xaa His Leu Ser Lys Arg Leu
115 120

<210> 7911
<211> 324
<212> PRT
<213> Homo sapiens

<400> 7911
Met Val Asn Pro Thr Val Phe Phe Asp Ile Ala Val Asp Gly Glu Pro
1 5 10 15
Leu Gly Arg Val Ser Phe Glu Leu Phe Ala Asp Lys Val Pro Lys Thr
20 25 30
Ala Glu Asn Phe Arg Ala Leu Ser Thr Gly Glu Lys Gly Phe Gly Tyr
35 40 45
Lys Gly Ser Cys Phe His Arg Ile Ile Pro Gly Phe Met Cys Gln Gly
50 55 60
Gly Asp Phe Thr Arg His Asn Gly Thr Gly Gly Lys Ser Ile Tyr Gly
65 70 75 80
Glu Gly Gln Pro Ala Phe Val Ile Lys Pro Ser Gln Arg Asn Leu Gly
85 90 95
Xaa Arg Asp Thr Ala Arg Xaa Xaa Xaa Arg Phe Gln
100 105

<210> 7912
<211> 495
<212> PRT

<213> Homo sapiens

<400> 7912

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Met Val Asn Pro Thr Val Phe Phe Asp Ile Ala Val Asp Gly Glu Pro
1           5           10           15
Leu Gly Arg Val Ser Phe Glu Leu Phe Ala Asp Lys Val Pro Lys Thr
           20           25           30
Ala Glu Asn Phe Arg Ala Leu Ser Thr Gly Glu Lys Gly Phe Gly Tyr
           35           40           45
Lys Gly Ser Cys Phe His Arg Ile Ile Pro Gly Phe Met Cys Gln Gly
           50           55           60
Gly Asp Phe Thr Arg His Asn Gly Thr Gly Gly Lys Ser Ile Tyr Gly
65           70           75           80
Glu Lys Phe Glu Asp Glu Asn Phe Ile Leu Lys His Thr Gly Pro Xaa
           85           90           95
Ile Leu Ser Met Ala Asn Ala Gly Pro Asn Thr Asn Gly Ser Gln Phe
           100          105          110
Phe Ile Cys Thr Ala Lys Thr Glu Trp Leu Asp Gly Lys His Val Val
           115          120          125
Phe Gly Lys Val Lys Glu Gly Met Asn Ile Val Glu Ala Met Glu Arg
           130          135          140
Phe Gly Ser Arg Asn Gly Lys Thr Ser Lys Lys Ile Thr Ile Ala Asp
145          150          155          160
Cys Gly Gln Leu Glu
           165

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<210> 7913

<211> 447

<212> PRT

<213> Homo sapiens

<400> 7913

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Met Ala Asp Gln Leu Thr Glu Glu Gln Ile Ala Glu Phe Lys Glu Ala
1           5           10           15
Phe Ser Leu Phe Asp Lys Asp Gly Asp Gly Thr Ile Thr Thr Lys Glu
           20           25           30
Leu Gly Thr Val Met Arg Ser Leu Gly Gln Asn Pro Thr Glu Ala Glu
           35           40           45
Leu Gln Asp Met Ile Asn Glu Val Asp Ala Asp Gly Asn Gly Thr Ile
           50           55           60
Asp Phe Pro Glu Phe Leu Thr Met Met Ala Arg Lys Met Lys Asp Thr
65           70           75           80
Asp Ser Glu Glu Glu Ile Arg Glu Ala Phe Arg Val Phe Asp Lys Asp
           85           90           95
Gly Asn Gly Tyr Ile Ser Ala Ala Glu Leu Arg His Val Met Thr Asn
           100          105          110
Leu Gly Glu Lys Leu Thr Asp Glu Glu Val Asp Glu Met Ile Arg Glu
           115          120          125
Ala Asp Ile Asp Gly Asp Gly Gln Val Asn Tyr Glu Glu Phe Val Gln
           130          135          140
Met Met Thr Ala Lys
145

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<210> 7914

004220" 5566550

<211> 375
<212> PRT
<213> Homo sapiens

<400> 7914
Met Ala Pro Ala Lys Lys Gly Gly Glu Lys Lys Lys Gly Arg Ser Ala
1 5 10 15
Ile Asn Glu Val Xaa Thr Arg Glu Tyr Thr Ile Asn Ile His Lys Arg
20 25 30
Ile His Gly Val Gly Phe Lys Lys Arg Ala Pro Arg Ala Leu Lys Glu
35 40 45
Ile Arg Lys Phe Ala Met Lys Glu Met Gly Thr Pro Asp Val Arg Ile
50 55 60
Asp Thr Arg Leu Asn Lys Ala Val Trp Ala Lys Gly Ile Arg Asn Val
65 70 75 80
Pro Tyr Arg Ile Arg Val Arg Leu Ser Arg Lys Arg Asn Glu Asp Glu
85 90 95
Asp Ser Pro Asn Lys Leu Tyr Thr Leu Val Thr Tyr Val Pro Val Thr
100 105 110
Thr Phe Lys Asn Leu Gln Thr Val Asn Val Asp Glu Asn
115 120 125

<210> 7915
<211> 303
<212> PRT
<213> Homo sapiens

<400> 7915
Met Ala Pro Ala Lys Lys Gly Gly Glu Lys Lys Lys Gly Arg Ser Ala
1 5 10 15
Ile Asn Glu Val Xaa Thr Arg Glu Tyr Thr Ile Asn Ile His Lys Arg
20 25 30
Ile His Gly Val Gly Phe Lys Lys Arg Ala Pro Arg Ala Leu Lys Glu
35 40 45
Ile Arg Lys Phe Ala Met Lys Glu Met Gly Thr Pro Asp Val Arg Ile
50 55 60
Asp Thr Arg Leu Asn Lys Ala Val Trp Ala Lys Gly Ile Arg Asn Val
65 70 75 80
Pro Tyr Arg Ile Arg Val Arg Leu Ser Arg Lys Arg Asn Glu Asp Glu
85 90 95
Gly Leu Ser Ile Leu
100

<210> 7916
<211> 363
<212> PRT
<213> Homo sapiens

<400> 7916
Met Val Asp Met Met Asp Leu Pro Arg Ser Arg Ile Asn Ala Gly Met
1 5 10 15
Leu Ala Gln Phe Ile Asp Lys Pro Val Cys Phe Val Gly Arg Leu Glu
20 25 30
Lys Ile His Pro Thr Gly Lys Met Phe Ile Leu Ser Asp Gly Glu Gly

35 40 45
 Lys Asn Gly Thr Ile Glu Leu Met Glu Pro Leu Asp Glu Glu Ile Ser
 50 55 60
 Gly Ile Val Glu Val Val Gly Arg Val Thr Ala Lys Ala Thr Ile Leu
 65 70 75 80
 Cys Thr Ser Tyr Val Gln Phe Lys Glu Asp Ser His Pro Phe Asp Leu
 85 90 95
 Gly Leu Tyr Asn Glu Ala Val Lys Ile Ile His Asp Phe Pro Gln Phe
 100 105 110
 Tyr Pro Leu Gly Ile Val Gln His Asp
 115 120

<210> 7917
 <211> 315
 <212> PRT
 <213> Homo sapiens

<400> 7917
 Met Val Arg Thr Lys Thr Trp Thr Leu Lys Lys His Phe Val Gly Tyr
 1 5 10 15
 Pro Thr Asn Ser Asp Phe Glu Leu Lys Thr Ala Glu Leu Pro Pro Leu
 20 25 30
 Lys Asn Gly Glu Val Leu Leu Glu Ala Leu Phe Leu Thr Val Asp Pro
 35 40 45
 Tyr Met Arg Val Ala Ala Lys Arg Leu Lys Glu Gly Asp Thr Met Met
 50 55 60
 Gly Gln Gln Val Ala Lys Val Val Glu Ser Lys Asn Val Ala Leu Pro
 65 70 75 80
 Lys Gly Thr Ile Val Leu Ala Ser Pro Gly Trp Thr Thr His Ser Ile
 85 90 95
 Ser Asp Gly Lys Asp Leu Glu Ser Cys
 100 105

<210> 7918
 <211> 477
 <212> PRT
 <213> Homo sapiens

<400> 7918
 Met Lys Asn His Leu Leu Phe Trp Gly Val Leu Ala Val Phe Ile Lys
 1 5 10 15
 Ala Val His Val Lys Ala Gln Glu Asp Glu Arg Ile Val Leu Val Asp
 20 25 30
 Asn Lys Cys Lys Cys Ala Arg Ile Thr Ser Arg Ile Ile Arg Ser Ser
 35 40 45
 Glu Asp Pro Asn Glu Asp Ile Val Glu Arg Asn Ile Arg Ile Ile Val
 50 55 60
 Pro Leu Asn Asn Arg Glu Asn Ile Ser Asp Pro Thr Ser Pro Leu Arg
 65 70 75 80
 Thr Arg Phe Val Tyr His Leu Ser Asp Leu Cys Lys Lys Cys Asp Pro
 85 90 95
 Thr Glu Val Glu Leu Asp Asn Gln Ile Val Thr Ala Thr Gln Ser Asn
 100 105 110
 Ile Cys Asp Glu Asp Ser Ala Thr Glu Thr Cys Tyr Thr Tyr Asp Arg

115	120	125
Asn Lys Cys Tyr Thr Ala Val	Val Pro Leu Val Tyr Gly Gly Glu Thr	
130	135	140
Lys Met Val Glu Thr Ala Leu Thr Pro Asp Ala Cys Tyr Pro Asp		
145	150	155

<210> 7919
 <211> 477
 <212> PRT
 <213> Homo sapiens

<400> 7919

Met Lys Asn His Leu Leu Phe Trp Gly Val Leu Ala Val Phe Ile Lys	
1	15
Ala Val His Val Lys Ala Gln Glu Asp Glu Arg Ile Val Leu Val Asp	
20	30
Asn Lys Cys Lys Cys Ala Arg Ile Thr Ser Arg Ile Ile Arg Ser Ser	
35	45
Glu Asp Pro Asn Glu Asp Ile Val Glu Arg Asn Ile Arg Ile Ile Val	
50	60
Pro Leu Asn Asn Arg Glu Asn Ile Ser Asp Pro Thr Ser Pro Leu Arg	
65	80
Thr Arg Phe Val Tyr His Leu Ser Asp Leu Cys Lys Lys Cys Asp Pro	
85	95
Thr Glu Val Glu Leu Asp Asn Gln Ile Val Thr Ala Thr Gln Ser Asn	
100	110
Ile Cys Asp Glu Asp Ser Ala Thr Glu Thr Cys Tyr Thr Tyr Asp Arg	
115	125
Asn Lys Cys Tyr Thr Ala Val Val Pro Leu Val Tyr Gly Gly Glu Thr	
130	140
Lys Met Val Glu Thr Ala Leu Thr Pro Asp Ala Cys Tyr Pro Asp	
145	155

<210> 7920
 <211> 432
 <212> PRT
 <213> Homo sapiens

<400> 7920

Met Ser Thr Lys Asn Phe Arg Val Ser Asp Gly Asp Trp Ile Cys Pro	
1	15
Asp Lys Lys Cys Gly Asn Val Asn Phe Ala Arg Arg Thr Ser Cys Asn	
20	30
Arg Cys Gly Arg Glu Lys Thr Thr Glu Ala Lys Met Met Lys Ala Gly	
35	45
Gly Thr Glu Ile Gly Lys Thr Leu Ala Glu Lys Ser Arg Gly Leu Phe	
50	60
Ser Ala Asn Asp Trp Gln Cys Lys Thr Cys Ser Asn Val Asn Trp Ala	
65	80
Arg Arg Ser Glu Cys Asn Met Cys Asn Thr Pro Lys Tyr Ala Lys Leu	
85	95
Glu Glu Arg Thr Gly Tyr Gly Gly Gly Phe Asn Glu Arg Glu Asn Val	
100	110
Glu Tyr Ile Glu Arg Xaa Asn Leu Met Val Asn Met Met Ser Leu Asp	

115	120	125
Val Lys Arg Xaa Asn Thr Glu Gly Lys Gln Leu Val Leu His Leu Tyr		
130	135	140

<210> 7921
 <211> 348
 <212> PRT
 <213> Homo sapiens

<400> 7921
 Met Ala Gly Val Leu Lys Lys Thr Thr Gly Leu Val Gly Leu Ala Val
 1 5 10 15
 Cys Asn Thr Pro His Glu Arg Leu Arg Ile Leu Tyr Thr Lys Ile Leu
 20 25 30
 Asp Val Leu Glu Glu Ile Pro Lys Asn Ala Ala Tyr Arg Lys Tyr Thr
 35 40 45
 Glu Gln Ile Thr Asn Glu Lys Leu Ala Met Val Lys Ala Glu Pro Asp
 50 55 60
 Val Lys Lys Leu Glu Asp Gln Leu Gln Gly Gly Gln Leu Glu Glu Val
 65 70 75 80
 Ile Leu Gln Ala Glu His Glu Leu Asn Leu Ala Arg Lys Met Arg Glu
 85 90 95
 Trp Lys Leu Trp Glu Pro Leu Val Glu Glu Pro Pro Ala Asp Gln Trp
 100 105 110
 Lys Trp Pro Ile
 115

<210> 7922
 <211> 312
 <212> PRT
 <213> Homo sapiens

<400> 7922
 Met Ala Ser Lys Gly Leu Gln Asp Leu Lys Gln Gln Val Glu Gly Thr
 1 5 10 15
 Ala Gln Glu Ala Val Ser Ala Ala Gly Ala Ala Ala Gln Gln Val Val
 20 25 30
 Asp Gln Ala Thr Glu Ala Gly Gln Lys Ala Met Asp Gln Leu Ala Lys
 35 40 45
 Thr Thr Gln Glu Thr Ile Asp Lys Thr Ala Asn Gln Ala Ser Asp Thr
 50 55 60
 Phe Ser Gly Ile Gly Lys Lys Phe Gly Leu Glu Leu Pro Leu Leu Pro
 65 70 75 80
 Glu Gly Arg Pro Arg Gly Leu Ile Leu Val Gly Pro Gln Gly Pro Ser
 85 90 95
 Met Arg Leu Asp Phe Val Trp Trp
 100

<210> 7923
 <211> 462
 <212> PRT
 <213> Homo sapiens

<400> 7923

Met Ala Ala Ser Arg Arg Leu Met Lys Glu Leu Glu Glu Ile Arg Lys
 1 5 10 15
 Cys Gly Met Lys Asn Phe Arg Asn Ile Gln Val Asp Glu Ala Asn Leu
 20 25 30
 Leu Thr Trp Gln Gly Leu Ile Val Pro Asp Asn Pro Pro Tyr Asp Lys
 35 40 45
 Gly Ala Phe Arg Ile Glu Ile Asn Phe Pro Ala Glu Tyr Pro Phe Lys
 50 55 60
 Pro Pro Lys Ile Thr Phe Lys Thr Lys Ile Tyr His Pro Asn Ile Asp
 65 70 75 80
 Glu Lys Gly Gln Val Cys Leu Pro Val Ile Ser Ala Glu Asn Trp Lys
 85 90 95
 Pro Ala Thr Lys Thr Asp Gln Val Ile Gln Ser Leu Ile Ala Leu Val
 100 105 110
 Asn Asp Pro Gln Pro Glu His Pro Leu Arg Ala Asp Leu Ala Glu Glu
 115 120 125
 Tyr Ser Lys Asp Arg Lys Lys Phe Cys Lys Asn Ala Glu Glu Phe Thr
 130 135 140
 Lys Lys Tyr Gly Glu Lys Arg Pro Val Asp
 145 150

<210> 7924
 <211> 366
 <212> PRT
 <213> Homo sapiens

<400> 7924
 Met Ala Ala Ser Arg Arg Leu Thr Lys Asp Asn Pro Pro Tyr Asp Lys
 1 5 10 15
 Gly Ala Phe Arg Ile Glu Ile Asn Phe Pro Ala Glu Tyr Pro Phe Lys
 20 25 30
 Pro Pro Lys Ile Thr Phe Lys Thr Lys Ile Tyr His Pro Asn Ile Asp
 35 40 45
 Glu Lys Gly Gln Val Cys Leu Pro Val Ile Ser Ala Glu Asn Trp Lys
 50 55 60
 Pro Ala Thr Lys Thr Asp Gln Val Ile Gln Ser Leu Ile Ala Leu Val
 65 70 75 80
 Asn Asp Pro Gln Pro Glu His Pro Leu Arg Ala Asp Leu Ala Glu Glu
 85 90 95
 Tyr Ser Lys Asp Arg Lys Lys Phe Cys Lys Asn Ala Glu Glu Phe Thr
 100 105 110
 Lys Lys Tyr Gly Glu Lys Arg Pro Val Asp
 115 120

<210> 7925
 <211> 627
 <212> PRT
 <213> Homo sapiens

<400> 7925
 Met Ser Met Leu Arg Leu Gln Lys Arg Leu Ala Ser Ser Val Leu Arg
 1 5 10 15
 Cys Gly Lys Lys Lys Val Trp Leu Asp Pro Asn Glu Thr Asn Glu Ile
 20 25 30

Ala Asn Ala Asn Ser Arg Gln Gln Ile Arg Lys Leu Ile Lys Asp Gly
 35 40 45
 Leu Ile Ile Arg Lys Pro Val Thr Val His Ser Arg Ala Arg Cys Arg
 50 55 60
 Lys Asn Thr Leu Ala Arg Arg Lys Gly Arg His Met Gly Ile Gly Lys
 65 70 75 80
 Arg Lys Gly Thr Ala Asn Ala Arg Met Pro Glu Lys Val Thr Trp Met
 85 90 95
 Arg Arg Met Arg Ile Leu Arg Arg Leu Leu Arg Arg Tyr Arg Glu Ser
 100 105 110
 Lys Lys Ile Asp Arg His Met Tyr His Ser Leu Tyr Leu Lys Val Lys
 115 120 125
 Gly Asn Val Phe Lys Asn Lys Arg Ile Leu Met Glu His Ile His Lys
 130 135 140
 Leu Lys Ala Asp Lys Ala Arg Lys Lys Leu Leu Ala Asp Gln Ala Glu
 145 150 155 160
 Ala Arg Arg Ser Lys Thr Lys Glu Ala Arg Lys Arg Arg Glu Glu Arg
 165 170 175
 Leu Xaa Gly Gln Glu Gly Xaa Arg Ser Xaa Arg Leu Tyr Pro Arg Arg
 180 185 190
 Lys Arg Pro Arg Asn Lys Thr Ser His Phe Val Cys Thr Tyr Trp Pro
 195 200 205
 Leu

<210> 7926
 <211> 327
 <212> PRT
 <213> Homo sapiens

<400> 7926
 Met Gly Gly Ala Gly Pro Glu Arg Ala Leu Ser Phe Arg Cys Cys Gly
 1 5 10 15
 Arg Xaa Met Ser Met Leu Arg Leu Gln Lys Arg Leu Ala Ser Ser Val
 20 25 30
 Leu Arg Cys Gly Lys Lys Lys Val Trp Leu Asp Pro Asn Glu Thr Asn
 35 40 45
 Glu Ile Ala Asn Ala Asn Ser Arg Gln Gln Ile Arg Lys Leu Ile Lys
 50 55 60
 Asp Gly Leu Ile Ile Arg Lys Pro Val Thr Val His Ser Arg Ala Arg
 65 70 75 80
 Cys Arg Lys Asn Thr Leu Ala Arg Arg Lys Gly Arg His Met Gly Ile
 85 90 95
 Gly Lys Arg Lys Gly Thr Ala Asn Ala Xaa Pro Ser Gly
 100 105

<210> 7927
 <211> 342
 <212> PRT
 <213> Homo sapiens

<400> 7927
 Met Ala Gln Val Leu Phe Ser Arg Asn Met Arg Leu Asn Val Ala Leu
 1 5 10 15
 Thr Phe Trp Arg Lys Arg Ser Ile Ser Glu Leu Val Ala Tyr Leu Leu

20 25 30
 Arg Ile Glu Asp Leu Gly Val Val Val Asp Cys Leu Pro Val Leu Thr
 35 40 45
 Asn Cys Leu Gln Glu Glu Lys Gln Tyr Ile Ser Leu Gly Cys Cys Val
 50 55 60
 Asp Leu Leu Pro Leu Val Lys Ser Leu Leu Lys Ser Lys Phe Glu Glu
 65 70 75 80
 Tyr Val Ile Val Gly Leu Asn Trp Leu Gln Ala Val Ile Lys Arg Trp
 85 90 95
 Trp Ser Glu Leu Ser Ser Lys Thr Glu Ile Ile Asn Asp Gly Asn Ile
 100 105 110
 Gln Ile

<210> 7928
 <211> 351
 <212> PRT
 <213> Homo sapiens

<400> 7928
 Met Ser Asn Lys Phe Leu Gly Thr Trp Lys Leu Val Ser Ser Glu Asn
 1 5 10 15
 Phe Asp Asp Tyr Met Lys Ala Leu Gly Val Gly Leu Ala Thr Arg Lys
 20 25 30
 Leu Gly Asn Leu Ala Lys Pro Thr Val Ile Ile Ser Lys Lys Gly Asp
 35 40 45
 Ile Ile Thr Ile Arg Thr Glu Ser Thr Phe Lys Asn Thr Glu Ile Ser
 50 55 60
 Phe Lys Leu Gly Gln Glu Phe Glu Glu Thr Thr Ala Asp Asn Arg Lys
 65 70 75 80
 Thr Lys Ser Ile Val Thr Leu Gln Arg Gly Ser Leu Asn Gln Val Gln
 85 90 95
 Arg Trp Asp Gly Lys Glu Thr Thr Ile Lys Arg Ala Ser Glu Trp Glu
 100 105 110
 Asn Gly Ser Gly Met
 115

<210> 7929
 <211> 333
 <212> PRT
 <213> Homo sapiens

<400> 7929
 Met Arg Ile Glu Lys Cys Tyr Phe Cys Ser Gly Pro Ile Tyr Pro Gly
 1 5 10 15
 His Gly Met Met Phe Val Arg Asn Asp Cys Lys Val Phe Arg Phe Cys
 20 25 30
 Lys Ser Lys Cys His Lys Asn Phe Lys Lys Lys Arg Asn Pro Arg Lys
 35 40 45
 Val Arg Trp Thr Lys Ala Phe Arg Lys Ala Ala Gly Lys Glu Leu Thr
 50 55 60
 Val Asp Asn Ser Phe Glu Phe Glu Lys Arg Arg Asn Glu Pro Ile Lys
 65 70 75 80
 Tyr Gln Arg Glu Leu Trp Asn Lys Thr Ile Asp Ala Met Lys Arg Val
 85 90 95

Glu Glu Ile Lys Gln Lys Arg Xaa Ala Lys Phe Ile Met Asn Arg
 100 105 110

<210> 7930
 <211> 393
 <212> PRT
 <213> Homo sapiens

<400> 7930
 Met Asn Asp Thr Val Thr Ile Arg Thr Arg Lys Phe Met Thr Asn Arg
 1 5 10 15
 Leu Leu Gln Arg Lys Gln Met Val Ile Asp Val Leu His Pro Gly Lys
 20 25 30
 Ala Thr Val Pro Lys Thr Glu Ile Arg Glu Lys Leu Ala Lys Met Tyr
 35 40 45
 Lys Thr Thr Pro Asp Val Ile Phe Val Phe Gly Phe Arg Thr His Phe
 50 55 60
 Gly Gly Gly Lys Thr Thr Gly Phe Gly Met Ile Tyr Asp Ser Leu Asp
 65 70 75 80
 Tyr Ala Lys Lys Asn Glu Pro Lys His Arg Leu Ala Arg His Gly Leu
 85 90 95
 Tyr Glu Lys Lys Lys Thr Ser Arg Lys Gln Arg Lys Glu Arg Lys Asn
 100 105 110
 Arg Met Lys Lys Val Arg Gly Thr Ala Lys Ala Asn Val Gly Ala Gly
 115 120 125
 Lys Lys Lys
 130

<210> 7931
 <211> 681
 <212> PRT
 <213> Homo sapiens

<400> 7931
 Met Ala Ala Gly Met Tyr Leu Glu His Tyr Leu Asp Ser Ile Glu Asn
 1 5 10 15
 Leu Pro Phe Glu Leu Gln Arg Asn Phe Gln Leu Met Arg Asp Leu Asp
 20 25 30
 Gln Arg Thr Glu Asp Leu Lys Ala Glu Ile Asp Lys Leu Ala Thr Glu
 35 40 45
 Tyr Met Ser Ser Ala Arg Ser Leu Ser Ser Glu Glu Lys Leu Ala Leu
 50 55 60
 Leu Lys Gln Ile Gln Glu Ala Tyr Gly Lys Cys Lys Glu Phe Gly Asp
 65 70 75 80
 Asp Lys Val Gln Leu Ala Met Gln Thr Tyr Glu Met Val Asp Lys His
 85 90 95
 Ile Arg Arg Leu Asp Thr Asp Leu Ala Arg Phe Glu Ala Asp Leu Lys
 100 105 110
 Glu Lys Gln Ile Glu Ser Ser Asp Tyr Asp Ser Ser Ser Lys Gly
 115 120 125
 Lys Lys Ser Arg Thr Gln Lys Glu Lys Lys Ala Ala Arg Ala Arg Ser
 130 135 140
 Lys Gly Xaa Asn Ser Asp Glu Glu Ala Pro Lys Thr Xaa Gln Lys Lys
 145 150 155 160

Leu Lys Leu Val Arg Thr Ser Pro Glu Tyr Gly Xaa Pro Ser Val Thr
 165 170 175
 Phe Gly Ser Val His Pro Ser Asp Val Leu Asp Met Pro Val Asp Pro
 180 185 190
 Asn Glu Pro Thr Tyr Cys Leu Cys His Gln Val Ser Tyr Gly Glu Met
 195 200 205
 Ile Gly Cys Asp Thr Leu Ile Val Pro Leu Ser Xaa Ser Ile Leu Pro
 210 215 220
 Val Trp Gly
 225

<210> 7932
 <211> 303
 <212> PRT
 <213> Homo sapiens

<400> 7932
 Met Val His Leu Thr Thr Leu Leu Cys Lys Ala Tyr Arg Gly Gly His
 1 5 10 15
 Leu Thr Ile Arg Leu Ala Leu Gly Gly Cys Thr Asn Arg Pro Phe Tyr
 20 25 30
 Arg Ile Val Ala Ala His Asn Lys Cys Pro Arg Asp Gly Arg Phe Val
 35 40 45
 Glu Gln Leu Gly Ser Tyr Asp Pro Leu Pro Asn Ser His Gly Glu Lys
 50 55 60
 Leu Val Ala Leu Asn Leu Asp Arg Ile Arg His Trp Ile Gly Cys Gly
 65 70 75 80
 Ala His Leu Ser Lys Pro Met Glu Lys Leu Leu Gly Leu Ala Gly Phe
 85 90 95
 Phe Leu Cys Ile Leu
 100

<210> 7933
 <211> 375
 <212> PRT
 <213> Homo sapiens

<400> 7933
 Met Ser Ala Ser Gln Asp Ser Arg Ser Arg Asp Asn Gly Pro Asp Gly
 1 5 10 15
 Met Glu Pro Glu Gly Val Ile Glu Ser Asn Trp Asn Glu Ile Val Asp
 20 25 30
 Ser Phe Asp Asp Met Asn Leu Ser Glu Ser Leu Leu Arg Gly Ile Tyr
 35 40 45
 Ala Tyr Gly Phe Glu Lys Pro Ser Ala Ile Gln Gln Arg Ala Ile Leu
 50 55 60
 Pro Cys Ile Lys Gly Tyr Asp Val Ile Ala Gln Ala Gln Ser Gly Thr
 65 70 75 80
 Gly Lys Thr Ala Thr Phe Ala Ile Ser Ile Leu Gln Gln Ile Glu Leu
 85 90 95
 Asp Leu Lys Ala Thr Gln Ala Leu Val Leu Ala Pro Thr Arg Glu Leu
 100 105 110
 Ala Gln Gln Ile Gln Lys Val Val Met Ala Leu Leu Trp
 115 120 125

<210> 7934
 <211> 324
 <212> PRT
 <213> Homo sapiens

<400> 7934
 Met Ser Ala Ser Gln Asp Ser Arg Ser Arg Asp Asn Gly Pro Asp Gly
 1 5 10 15
 Met Glu Pro Glu Gly Val Ile Glu Ser Asn Trp Asn Glu Ile Val Asp
 20 25 30
 Ser Phe Asp Asp Met Asn Leu Ser Glu Ser Leu Leu Arg Gly Ile Tyr
 35 40 45
 Ala Tyr Gly Phe Glu Lys Pro Ser Ala Ile Gln Gln Arg Ala Ile Leu
 50 55 60
 Pro Cys Ile Lys Gly Tyr Asp Val Ile Ala Gln Ala Gln Ser Gly Thr
 65 70 75 80
 Gly Lys Thr Ala Thr Phe Ala Ile Ser Ile Leu Gln Gln Ile Glu Leu
 85 90 95
 Asp Leu Lys Ala Thr Gln Xaa Phe Ser Gly His Phe
 100 105

<210> 7935
 <211> 321
 <212> PRT
 <213> Homo sapiens

<400> 7935
 Met Asp Pro Ser Gly Val Lys Val Leu Glu Thr Ala Glu Asp Ile Gln
 1 5 10 15
 Glu Arg Arg Gln Gln Val Leu Asp Arg Tyr His Arg Phe Lys Glu Leu
 20 25 30
 Ser Thr Leu Arg Arg Gln Lys Leu Glu Asp Ser Tyr Arg Phe Gln Phe
 35 40 45
 Phe Gln Arg Asp Ala Glu Glu Leu Glu Lys Trp Ile Gln Glu Lys Leu
 50 55 60
 Gln Ile Ala Ser Asp Glu Asn Tyr Lys Asp Pro Thr Asn Leu Gln Gly
 65 70 75 80
 Lys Leu Gln Lys His Gln Ala Phe Glu Ala Glu Val Gln Ala Asn Ser
 85 90 95
 Gly Ala Ile Val Lys Leu Asp Glu Leu Glu Thr
 100 105

<210> 7936
 <211> 318
 <212> PRT
 <213> Homo sapiens

<400> 7936
 Met Tyr Asn Thr Val Trp Asn Met Glu Asp Leu Asp Leu Glu Tyr Ala
 1 5 10 15
 Lys Thr Asp Ile Asn Cys Gly Thr Asp Leu Met Phe Tyr Ile Glu Met
 20 25 30
 Asp Pro Pro Ala Leu Pro Pro Lys Pro Pro Lys Pro Thr Thr Val Ala

35 40 45
 Asn Asn Gly Met Asn Asn Asn Xaa Ser Leu Gln Asp Ala Glu Trp Tyr
 50 55 60
 Trp Gly Asp Ile Ser Arg Glu Glu Val Asn Glu Lys Leu Arg Asp Thr
 65 70 75 80
 Ala Asp Gly Thr Phe Leu Val Arg Asp Ala Ser Thr Lys Met His Gly
 85 90 95
 Asp Tyr Thr Leu Thr Leu Gly Lys Gly Lys
 100 105

<210> 7937
 <211> 309
 <212> PRT
 <213> Homo sapiens

<400> 7937
 Met Tyr Thr Ala Tyr His Tyr Val Ile Leu Val Ile Ala Pro Val Gly
 1 5 10 15
 Ser Pro Gly Asp Glu Phe Cys Lys Gln Arg Leu Pro Gln Leu Asn Ser
 20 25 30
 Lys Asp Asn Lys Phe Leu Thr Cys Thr Glu Glu Asp Gly Val Leu Val
 35 40 45
 Tyr His His Ala Gln Asp Val Ile Leu Glu Val Ile Tyr Thr Asp Pro
 50 55 60
 Val Asp Leu Ser Leu Gly Thr Val Ala Glu Ile Thr Gly His Gln Leu
 65 70 75 80
 Met Ser Xaa Ser Thr Ala Asn Ala Lys Lys Asp Pro Ser Cys Lys Thr
 85 90 95
 Cys Asn Ile Ser Val Gly Arg
 100

<210> 7938
 <211> 351
 <212> PRT
 <213> Homo sapiens

<400> 7938
 Met Lys Phe Val Tyr Lys Glu Glu His Pro Phe Glu Lys Arg Arg Ser
 1 5 10 15
 Glu Gly Glu Lys Ile Arg Lys Lys Tyr Pro Asp Arg Val Pro Val Ile
 20 25 30
 Val Glu Lys Ala Pro Lys Ala Arg Ile Gly Asp Leu Asp Lys Lys Lys
 35 40 45
 Tyr Leu Val Pro Ser Asp Leu Thr Val Gly Gln Phe Tyr Phe Leu Ile
 50 55 60
 Arg Lys Arg Ile His Leu Arg Ala Glu Asp Ala Leu Phe Phe Phe Val
 65 70 75 80
 Asn Asn Val Ile Pro Pro Thr Ser Ala Thr Met Gly Gln Leu Tyr Gln
 85 90 95
 Glu His His Glu Glu Asp Phe Phe Leu Tyr Ile Ala Tyr Ser Asp Glu
 100 105 110
 Ser Val Tyr Gly Leu
 115

<210> 7939
 <211> 318
 <212> PRT
 <213> Homo sapiens

<400> 7939
 Met Pro Cys Phe Ser Leu Ser Thr Met Ser Phe His Pro Pro Val Pro
 1 5 10 15
 Gln Trp Val Ser Cys Thr Arg Asn Thr Met Lys Lys Thr Ser Phe Ser
 20 25 30
 Thr Leu Pro Thr Val Thr Lys Val Ser Thr Val Cys Glu Ala Ala Ala
 35 40 45
 Pro Glu Leu Glu Gly Gly Leu Ile Leu Gln Arg Glu Arg Trp Pro Pro
 50 55 60
 Phe Leu Xaa Xaa Pro Pro Pro Ser Ser Ser Asn Thr Thr Ser Leu Ile
 65 70 75 80
 Gln Asp Arg His Phe Leu Met Phe Val Ala Phe Ser Pro Ala Ser Leu
 85 90 95
 Arg Arg Gly Asn Gly Gly Val Gly Ile Leu
 100 105

<210> 7940
 <211> 351
 <212> PRT
 <213> Homo sapiens

<400> 7940
 Met Lys Phe Val Tyr Lys Glu Glu His Pro Phe Glu Lys Arg Arg Ser
 1 5 10 15
 Glu Gly Glu Lys Ile Arg Lys Lys Tyr Pro Asp Arg Val Pro Val Ile
 20 25 30
 Val Glu Lys Ala Pro Lys Ala Arg Ile Gly Asp Leu Asp Lys Lys Lys
 35 40 45
 Tyr Leu Val Pro Ser Asp Leu Thr Val Gly Gln Phe Tyr Phe Leu Ile
 50 55 60
 Arg Lys Arg Ile His Leu Arg Ala Glu Asp Ala Leu Phe Phe Phe Val
 65 70 75 80
 Asn Asn Val Ile Pro Pro Thr Ser Ala Thr Met Gly Gln Leu Tyr Gln
 85 90 95
 Glu His His Glu Glu Asp Phe Phe Leu Tyr Ile Ala Tyr Ser Asp Glu
 100 105 110
 Ser Val Tyr Gly Leu
 115

<210> 7941
 <211> 375
 <212> PRT
 <213> Homo sapiens

<400> 7941
 Met Pro Pro Lys Asp Asp Lys Lys Lys Lys Asp Ala Gly Lys Ser Ala
 1 5 10 15
 Lys Lys Asp Lys Asp Pro Val Asn Lys Ser Gly Gly Lys Ala Lys Lys
 20 25 30

Lys Lys Trp Ser Lys Gly Lys Val Arg Asp Lys Leu Asn Asn Leu Val
 35 40 45
 Leu Phe Asp Lys Ala Thr Tyr Asp Lys Leu Cys Lys Glu Val Pro Asn
 50 55 60
 Tyr Lys Leu Ile Thr Pro Ala Val Val Ser Glu Arg Leu Lys Ile Arg
 65 70 75 80
 Gly Ser Leu Ala Arg Ala Ala Leu Gln Glu Leu Leu Ser Lys Gly Leu
 85 90 95
 Ile Lys Leu Val Ser Lys His Arg Ala Gln Val Ile Tyr Thr Arg Asn
 100 105 110
 Thr Lys Gly Gly Asp Ala Pro Ala Ala Gly Glu Asp Ala
 115 120 125

<210> 7942
 <211> 393
 <212> PRT
 <213> Homo sapiens

<400> 7942
 Met Cys Asn Leu Ser Leu Ile Thr Val Glu Gln Ile Ser Leu Thr Gln
 1 5 10 15
 Ile Thr Arg Glu Gly Lys Gly Ala Ser Ala Arg Asn Thr Asn Leu Phe
 20 25 30
 Leu Phe Cys Phe Gly Glu Gln Lys Trp Ser Lys Gly Lys Val Arg Asp
 35 40 45
 Lys Leu Asn Asn Leu Val Leu Phe Asp Lys Ala Thr Tyr Asp Lys Leu
 50 55 60
 Cys Lys Glu Val Pro Asn Tyr Lys Leu Ile Thr Pro Ala Val Val Ser
 65 70 75 80
 Glu Arg Leu Lys Ile Arg Gly Ser Leu Ala Arg Ala Ala Leu Gln Glu
 85 90 95
 Leu Leu Ser Lys Gly Leu Ile Lys Leu Val Ser Lys His Arg Ala Gln
 100 105 110
 Val Ile Tyr Thr Arg Asn Thr Lys Gly Gly Asp Ala Pro Ala Ala Gly
 115 120 125
 Glu Asp Ala
 130

<210> 7943
 <211> 447
 <212> PRT
 <213> Homo sapiens

<400> 7943
 Met Arg His Ser Asn Val Gln Xaa Arg Leu Val Ser Ser Val Ser Phe
 1 5 10 15
 Leu Arg Cys Arg Xaa Arg Lys Ala Ser Pro Ser Ser Arg Pro Phe Pro
 20 25 30
 Ala Thr Cys Arg Thr Leu Phe Tyr Ile Leu Arg Ser Pro Pro Thr Ala
 35 40 45
 Thr Ile Asp Ala Met Ser Gly Tyr Ser Ser Asp Arg Asp Arg Gly Arg
 50 55 60
 Asp Arg Gly Phe Gly Ala Pro Arg Phe Gly Gly Ser Arg Ala Gly Pro
 65 70 75 80

Leu Ser Gly Lys Lys Phe Gly Asn Pro Gly Glu Lys Leu Val Lys Lys
 85 90 95
 Lys Trp Asn Leu Asp Glu Leu Pro Lys Phe Glu Lys Asn Phe Tyr Gln
 100 105 110
 Glu His Pro Asp Leu Ala Arg Arg Thr Ala Gln Glu Val Glu Thr Tyr
 115 120 125
 Arg Arg Ser Lys Glu Ile Thr Val Arg Gly His Asn Cys Pro Xaa Xaa
 130 135 140
 Val Leu Xaa Phe Leu
 145

<210> 7944
 <211> 516
 <212> PRT
 <213> Homo sapiens

<400> 7944
 Met Ala Ser Asn Phe Lys Lys Ala Asn Met Ala Ser Ser Ser Gln Arg
 1 5 10 15
 Lys Arg Met Ser Pro Lys Pro Glu Leu Thr Glu Glu Gln Lys Gln Glu
 20 25 30
 Ile Arg Glu Ala Phe Asp Leu Phe Asp Ala Asp Gly Thr Gly Thr Ile
 35 40 45
 Asp Val Lys Glu Leu Lys Val Ala Met Arg Ala Leu Gly Phe Glu Pro
 50 55 60
 Lys Lys Glu Glu Ile Lys Lys Met Ile Ser Glu Ile Asp Lys Glu Gly
 65 70 75 80
 Thr Gly Lys Met Asn Phe Gly Asp Phe Leu Thr Val Met Thr Gln Lys
 85 90 95
 Met Ser Glu Lys Xaa Thr Lys Glu Glu Ile Leu Lys Ala Phe Lys Leu
 100 105 110
 Phe Asp Asp Asp Glu Thr Gly Lys Ile Ser Phe Lys Asn Leu Lys Arg
 115 120 125
 Val Ala Lys Glu Leu Gly Glu Asn Leu Thr Asp Glu Glu Leu Gln Glu
 130 135 140
 Met Ile Asp Glu Ala Asp Arg Asp Gly Asp Gly Glu Val Ser Glu Gln
 145 150 155 160
 Glu Phe Leu Arg Ile Met Lys Lys Thr Ser Leu Tyr
 165 170

<210> 7945
 <211> 318
 <212> PRT
 <213> Homo sapiens

<400> 7945
 Met Pro Phe Leu Asp Ile Gln Lys Arg Phe Gly Leu Asn Ile Asp Arg
 1 5 10 15
 Trp Leu Thr Ile Gln Ser Gly Glu Gln Pro Tyr Lys Met Ala Gly Arg
 20 25 30
 Cys His Ala Phe Glu Lys Glu Trp Ile Glu Cys Ala His Gly Ile Gly
 35 40 45
 Tyr Thr Arg Ala Glu Lys Glu Cys Lys Ile Glu Tyr Asp Asp Phe Val
 50 55 60

Glu Cys Leu Leu Arg Gln Lys Thr Met Arg Arg Ala Gly Thr Ile Arg
65 70 75 80
Lys Gln Arg Asp Lys Leu Ile Lys Glu Gly Lys Tyr Thr Pro Pro Pro
85 90 95
His His Ile Gly Lys Gly Glu Pro Arg Pro
100 105

<210> 7946
<211> 333
<212> PRT
<213> Homo sapiens

<400> 7946
Met Ile Ile Asn Ile Ser His Val Trp Cys Cys Gly Glu Met Lys Ala
1 5 10 15
Ile Glu Asp Gly Asn Leu Glu Glu Met Glu Glu Glu Val Arg Leu Lys
20 25 30
Lys Arg Lys Arg Arg Arg Asn Val Asp Lys Asp Pro Ala Lys Glu Asp
35 40 45
Val Glu Lys Ala Lys Lys Arg Arg Gly Arg Pro Pro Ala Glu Lys Leu
50 55 60
Ser Pro Asn Pro Pro Lys Leu Thr Lys Gln Met Asn Ala Ile Ile Asp
65 70 75 80
Thr Val Ile Asn Tyr Lys Asp Ser Ser Gly Arg Xaa Ser Val Lys Ser
85 90 95
Ser Phe Ser Tyr Leu Gln Gly Lys Asn Tyr Gln Asn Thr Met Asn
100 105 110

<210> 7947
<211> 387
<212> PRT
<213> Homo sapiens

<400> 7947
Met Ala Lys Ser Leu Arg Ser Lys Trp Lys Arg Lys Met Arg Ala Glu
1 5 10 15
Lys Arg Lys Lys Asn Ala Pro Lys Glu Ala Ser Arg Leu Lys Ser Ile
20 25 30
Leu Lys Leu Asp Gly Asp Val Leu Met Lys Asp Val Gln Glu Ile Ala
35 40 45
Thr Val Val Val Pro Lys Pro Lys His Cys Gln Glu Lys Met Gln Cys
50 55 60
Glu Val Lys Asp Glu Lys Asp Asp Met Lys Met Glu Thr Asp Ile Lys
65 70 75 80
Arg Asn Lys Lys Thr Leu Leu Asp Gln His Gly Gln Tyr Pro Ile Trp
85 90 95
Met Asn Gln Arg Gln Arg Lys Arg Leu Lys Ala Lys Arg Glu Lys Arg
100 105 110
Lys Gly Lys Ser Lys Ala Lys Ala Val Lys Val Ala Lys Gly Leu Ala
115 120 125
Trp

<210> 7948
<211> 324

004220"6662560

<212> PRT

<213> Homo sapiens

<400> 7948

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Met Ala Asp Pro Arg Val Arg Gln Ile Lys Ile Lys Thr Gly Val Val
1           5           10           15
Lys Arg Leu Val Lys Glu Lys Val Met Tyr Glu Lys Glu Ala Lys Gln
          20           25           30
Gln Glu Glu Lys Ile Glu Lys Met Arg Ala Glu Asp Gly Glu Asn Tyr
          35           40           45
Asp Ile Lys Lys Gln Ala Glu Ile Leu Gln Glu Ser Arg Met Met Ile
          50           55           60
Pro Asp Cys Gln Arg Arg Leu Glu Ala Ala Tyr Leu Asp Leu Gln Arg
65           70           75           80
Ile Leu Glu Asn Glu Lys Asp Leu Glu Glu Ala Glu Glu Tyr Lys Glu
          85           90           95
Ala Arg Leu Val Leu Asp Ser Val Lys Leu Glu Ala
          100           105

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<210> 7949

<211> 333

<212> PRT

<213> Homo sapiens

<400> 7949

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Met Val Arg Met Asn Val Leu Ala Asp Ala Leu Lys Ser Ile Asn Asn
1           5           10           15
Ala Glu Lys Arg Gly Lys Arg Gln Val Leu Ile Arg Pro Cys Ser Lys
          20           25           30
Val Ile Val Arg Phe Leu Thr Val Met Met Lys His Gly Tyr Ile Gly
          35           40           45
Glu Phe Glu Ile Ile Asp Asp His Arg Ala Gly Lys Ile Val Val Asn
          50           55           60
Leu Thr Gly Arg Leu Asn Lys Xaa Gly Val Gln Trp His Asp Leu Gly
65           70           75           80
Tyr Cys Asn Leu Cys Leu Pro Gly Ser Ser Asp Ser Pro Ala Ser Ala
          85           90           95
Ser Leu Val Ala Glu Ile Thr Val Trp Gly Asp Gln Pro Gln Ile
          100           105           110

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<210> 7950

<211> 396

<212> PRT

<213> Homo sapiens

<400> 7950

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Met Val Arg Met Asn Val Leu Ala Asp Ala Leu Lys Ser Ile Asn Asn
1           5           10           15
Ala Glu Lys Arg Gly Lys Arg Gln Val Leu Ile Arg Pro Cys Ser Lys
          20           25           30
Val Ile Val Arg Phe Leu Thr Val Met Met Lys His Gly Tyr Ile Gly
          35           40           45
Glu Phe Glu Ile Ile Asp Asp His Arg Ala Gly Lys Ile Val Val Asn
          50           55           60

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Leu Thr Gly Arg Leu Asn Lys Cys Gly Val Ile Ser Pro Arg Phe Asp
 65 70 75 80
 Val Gln Leu Lys Asp Leu Glu Lys Trp Gln Asn Asn Leu Leu Pro Ser
 85 90 95
 Arg Gln Phe Gly Phe Ile Val Leu Thr Thr Gln Leu Ala Ser Trp Thr
 100 105 110
 Met Lys Lys Gln Asp Glu Asn Thr Gln Glu Glu Asn Pro Gly Ile Leu
 115 120 125
 Phe Leu Gly Met
 130

<210> 7951
 <211> 465
 <212> PRT
 <213> Homo sapiens

<400> 7951
 Met Val Ala Arg Lys Gly Gln Lys Ser Pro Arg Phe Arg Arg Val Xaa
 1 5 10 15
 Cys Phe Leu Arg Leu Gly Arg Ser Thr Leu Leu Glu Leu Glu Pro Ala
 20 25 30
 Gly Arg Pro Cys Ser Gly Arg Thr Arg His Arg Ala Leu His Arg Arg
 35 40 45
 Leu Val Ala Cys Val Thr Val Ser Ser Arg Arg His Arg Lys Glu Ala
 50 55 60
 Gly Arg Gly Arg Ala Glu Ser Phe Ile Ala Val Gly Met Ala Ala Pro
 65 70 75 80
 Ser Met Lys Glu Arg Gln Val Cys Trp Gly Ala Arg Asp Glu Tyr Trp
 85 90 95
 Lys Cys Leu Asp Glu Asn Leu Glu Asp Ala Ser Gln Cys Lys Lys Leu
 100 105 110
 Arg Ser Ser Phe Glu Ser Ser Cys Pro Gln Gln Trp Ile Lys Tyr Phe
 115 120 125
 Asp Lys Arg Arg Asp Tyr Leu Lys Phe Lys Glu Lys Phe Glu Ala Gly
 130 135 140
 Gln Phe Glu Pro Ser Glu Thr Thr Ala Lys Ser
 145 150 155

<210> 7952
 <211> 381
 <212> PRT
 <213> Homo sapiens

<400> 7952
 Met Ile Val Ser Ser Ala Leu Met Ile Trp Lys Gly Leu Ile Val Leu
 1 5 10 15
 Thr Gly Ser Glu Ser Pro Ile Val Val Val Leu Ser Gly Ser Met Glu
 20 25 30
 Pro Ala Phe His Arg Gly Asp Leu Leu Phe Leu Thr Asn Phe Arg Glu
 35 40 45
 Asp Pro Ile Arg Ala Gly Glu Ile Val Val Phe Lys Val Glu Gly Arg
 50 55 60
 Asp Ile Pro Ile Val His Arg Val Ile Lys Val His Glu Lys Asp Asn
 65 70 75 80

Gly Asp Ile Lys Phe Leu Thr Lys Gly Asp Asn Asn Glu Val Asp Asp
85 90 95
Arg Gly Leu Tyr Lys Glu Gly Gln Asn Trp Leu Glu Lys Lys Asp Val
100 105 110
Val Gly Arg Ala Arg Gly Phe Leu Pro Tyr Val Val Trp Ser Pro
115 120 125

<210> 7953
<211> 435
<212> PRT
<213> Homo sapiens

<400> 7953
Met Lys Phe Asn Pro Phe Val Thr Ser Asp Arg Ser Lys Asn Arg Lys
1 5 10 15
Arg His Phe Asn Ala Pro Ser His Ile Arg Arg Lys Ile Met Ser Ser
20 25 30
Pro Leu Ser Lys Glu Leu Arg Gln Lys Tyr Asn Val Arg Ser Met Pro
35 40 45
Ile Arg Lys Asp Asp Glu Val Gln Val Val Arg Gly His Tyr Lys Gly
50 55 60
Gln Gln Ile Gly Lys Val Val Gln Val Tyr Arg Lys Lys Tyr Val Ile
65 70 75 80
Tyr Ile Glu Arg Val Gln Arg Glu Lys Ala Asn Gly Thr Thr Val His
85 90 95
Val Gly Ile His Pro Ser Lys Val Val Ile Thr Arg Leu Lys Leu Asp
100 105 110
Lys Asp Arg Lys Lys Ile Leu Glu Arg Lys Ala Lys Ser Arg Gln Val
115 120 125
Gly Lys Glu Lys Gly Lys Tyr Lys Glu Glu Thr Ile Glu Lys Met Gln
130 135 140
Glu
145

<210> 7954
<211> 384
<212> PRT
<213> Homo sapiens

<400> 7954
Met Glu Ser Lys Glu Glu Arg Ala Leu Asn Asn Leu Ile Val Glu Asn
1 5 10 15
Val Asn Gln Glu Asn Asp Glu Lys Asp Glu Lys Glu Gln Val Ala Asn
20 25 30
Lys Gly Glu Pro Leu Ala Leu Pro Leu Xaa Xaa Xaa Glu Tyr Cys Val
35 40 45
Pro Arg Gly Asn Arg Arg Arg Phe Arg Val Arg Gln Pro Ile Leu Gln
50 55 60
Tyr Arg Trp Asp Met Met His Arg Leu Gly Glu Pro Gln Ala Arg Met
65 70 75 80
Xaa Glu Glu Asn Met Glu Arg Ile Gly Glu Glu Val Arg Gln Leu Met
85 90 95
Glu Lys Leu Arg Glu Lys Gln Leu Ser His Ser Leu Arg Ala Val Ser
100 105 110

Thr Asp Pro Pro His His Asp His His Asp Glu Phe Cys Xaa Met Pro
 115 120 125

<210> 7955
 <211> 384
 <212> PRT
 <213> Homo sapiens

<400> 7955
 Met Glu Ser Lys Glu Glu Arg Ala Leu Asn Asn Leu Ile Val Glu Asn
 1 5 10 15
 Val Asn Gln Glu Asn Asp Glu Lys Asp Glu Lys Glu Gln Val Ala Asn
 20 25 30
 Lys Gly Glu Pro Leu Ala Leu Pro Leu Xaa Xaa Xaa Glu Tyr Cys Val
 35 40 45
 Pro Arg Gly Asn Arg Arg Arg Phe Arg Val Arg Gln Pro Ile Leu Gln
 50 55 60
 Tyr Arg Trp Asp Met Met His Arg Leu Gly Glu Pro Gln Ala Arg Met
 65 70 75 80
 Xaa Glu Glu Asn Met Glu Arg Ile Gly Glu Glu Val Arg Gln Leu Met
 85 90 95
 Glu Lys Leu Arg Glu Lys Gln Leu Ser His Ser Leu Arg Ala Val Ser
 100 105 110
 Thr Asp Pro Pro His His Asp His His Asp Glu Phe Cys Xaa Met Pro
 115 120 125

<210> 7956
 <211> 399
 <212> PRT
 <213> Homo sapiens

<400> 7956
 Met Ser Gly Gly Gly Thr Glu Thr Pro Val Gly Cys Glu Ala Ala Pro
 1 5 10 15
 Gly Gly Gly Ser Lys Lys Arg Asp Ser Leu Gly Thr Ala Gly Ser Ala
 20 25 30
 His Leu Ile Ile Lys Asp Leu Gly Glu Ile His Ser Arg Leu Leu Asp
 35 40 45
 His Arg Pro Val Ile Gln Gly Glu Thr Arg Tyr Phe Val Lys Glu Phe
 50 55 60
 Glu Glu Lys Arg Gly Leu Arg Glu Met Arg Val Leu Glu Asn Leu Lys
 65 70 75 80
 Asn Met Ile His Glu Thr Asn Glu His Thr Leu Pro Lys Cys Arg Asp
 85 90 95
 Thr Met Arg Asp Ser Leu Ser Gln Val Leu Gln Arg Leu Gln Ala Ala
 100 105 110
 Asn Asp Ser Val Cys Arg Leu Gln Gln Arg Glu Gln Glu Arg Lys Arg
 115 120 125
 Phe Ile Val Thr Thr
 130

<210> 7957
 <211> 495
 <212> PRT

<213> Homo sapiens

<400> 7957

Met Ala Ser Gly Val Gln Val Ala Asp Glu Val Cys Arg Ile Phe Tyr
1 5 10 15
Asp Met Lys Val Arg Lys Cys Ser Thr Pro Glu Glu Ile Lys Lys Arg
20 25 30
Lys Lys Ala Val Ile Phe Cys Leu Ser Ala Asp Lys Lys Cys Ile Ile
35 40 45
Val Glu Glu Gly Lys Glu Ile Leu Val Gly Asp Val Gly Val Thr Ile
50 55 60
Thr Asp Pro Phe Lys His Phe Val Gly Met Leu Pro Glu Lys Asp Cys
65 70 75 80
Arg Tyr Ala Leu Tyr Asp Ala Ser Phe Glu Thr Lys Glu Ser Arg Lys
85 90 95
Glu Glu Leu Met Phe Phe Leu Trp Ala Pro Glu Leu Ala Pro Leu Lys
100 105 110
Ser Lys Met Ile Tyr Ala Ser Ser Lys Asp Ala Ile Lys Lys Lys Phe
115 120 125
Gln Gly Ile Lys His Glu Cys Gln Ala Asn Gly Pro Glu Asp Leu Asn
130 135 140
Arg Ala Cys Ile Ala Glu Lys Leu Gly Gly Ser Leu Ile Val Ala Phe
145 150 155 160
Glu Gly Cys Pro Val
165

<210> 7958

<211> 378

<212> PRT

<213> Homo sapiens

<400> 7958

Met Ala Ala Gly Glu Leu Glu Gly Gly Lys Pro Leu Ser Gly Leu Leu
1 5 10 15
Asn Ala Leu Ala Gln Asp Thr Phe His Gly Tyr Pro Gly Ile Thr Glu
20 25 30
Glu Leu Leu Arg Ser Gln Leu Tyr Pro Glu Val Pro Pro Glu Glu Phe
35 40 45
Arg Pro Phe Leu Ala Lys Met Arg Gly Ile Leu Lys Ser Ile Ala Ser
50 55 60
Ala Asp Met Asp Phe Asn Gln Leu Glu Ala Phe Leu Thr Ala Gln Thr
65 70 75 80
Lys Lys Gln Gly Gly Ile Thr Ser Asp Gln Ala Ala Val Ile Ser Lys
85 90 95
Phe Trp Lys Ser His Lys Thr Lys Ile Arg Glu Ser Leu Met Asn Gln
100 105 110
Ser Arg Trp Asn Ser Gly Leu Arg Gly Xaa Glu Leu Glu Ser
115 120 125

<210> 7959

<211> 378

<212> PRT

<213> Homo sapiens

<400> 7959

Met Lys Ala Ser Gly Thr Leu Arg Glu Tyr Lys Val Val Gly Arg Cys
 1 5 10 15
 Leu Pro Thr Pro Lys Cys His Thr Pro Pro Leu Tyr Arg Met Arg Ile
 20 25 30
 Phe Ala Pro Asn His Val Val Ala Lys Ser Arg Phe Trp Tyr Phe Val
 35 40 45
 Ser Gln Leu Lys Lys Met Lys Lys Ser Ser Gly Glu Ile Val Tyr Cys
 50 55 60
 Gly Gln Val Phe Glu Lys Ser Pro Leu Arg Val Lys Asn Phe Gly Ile
 65 70 75 80
 Trp Leu Arg Tyr Asp Ser Arg Ser Gly Thr His Asn Met Tyr Arg Glu
 85 90 95
 Tyr Arg Asp Leu Thr Thr Ala Ala Leu Ser Pro Ser Ala Thr Glu Thr
 100 105 110
 Trp Val Pro Gly Thr Ala Pro Glu Pro Thr Pro Phe Arg Ser
 115 120 125

<210> 7960

<211> 366

<212> PRT

<213> Homo sapiens

<400> 7960

Met Gln Leu Lys Pro Met Glu Ile Asn Pro Glu Met Leu Asn Lys Val
 1 5 10 15
 Leu Ser Arg Leu Gly Val Ala Gly Gln Trp Arg Phe Val Asp Val Leu
 20 25 30
 Gly Leu Glu Glu Ser Leu Gly Ser Val Pro Ala Pro Ala Cys Ala
 35 40 45
 Leu Leu Leu Leu Phe Pro Leu Thr Ala Gln His Glu Asn Phe Arg Lys
 50 55 60
 Lys Gln Ile Glu Glu Leu Lys Phe Ser Cys Trp Ala Val Arg Xaa Asn
 65 70 75 80
 Ser Ser Xaa Ser Ser Ala Val Pro Arg Val Cys Leu Leu Leu Gln Gln
 85 90 95
 Cys Leu Asp Gly Thr Asp Pro Gly Thr Leu Phe Gln Pro Pro Thr Ala
 100 105 110
 Leu Arg Phe Pro Leu Arg Leu Pro His Leu
 115 120

<210> 7961

<211> 342

<212> PRT

<213> Homo sapiens

<400> 7961

Met Gln Leu Lys Pro Met Glu Ile Asn Pro Glu Met Leu Asn Lys Val
 1 5 10 15
 Leu Ser Arg Leu Gly Val Ala Gly Gln Trp Arg Phe Val Asp Val Leu
 20 25 30
 Gly Leu Glu Glu Glu Ser Leu Gly Ser Val Pro Ala Pro Ala Cys Ala
 35 40 45
 Leu Leu Leu Leu Phe Pro Leu Thr Ala Gln His Glu Asn Phe Arg Lys

50		55		60
Lys Gln Ile Glu Glu Leu Lys Phe Ser Cys Trp Ala Val Arg Xaa Asn				
65		70		75
Ser Ser Xaa Ser Ser Ala Val Pro Arg Val Cys Leu Leu Leu Gln Gln				80
	85		90	95
Cys Leu Asp Gly Thr Asp Pro Gly Thr Leu Phe Gln Pro Pro Thr Asp				
	100		105	110
Pro Leu				

<210> 7962
 <211> 363
 <212> PRT
 <213> Homo sapiens

<400> 7962
Met Gln Leu Lys Pro Met Glu Ile Asn Pro Glu Met Leu Asn Lys Val
1 5 10 15
Leu Ser Arg Leu Gly Val Ala Gly Gln Trp Arg Phe Val Asp Val Leu
20 25 30
Gly Leu Glu Glu Glu Ser Leu Gly Ser Val Pro Ala Pro Ala Cys Ala
35 40 45
Leu Leu Leu Leu Phe Pro Leu Thr Ala Gln His Glu Asn Phe Arg Lys
50 55 60
Lys Gln Ile Glu Glu Leu Lys Phe Ser Cys Trp Ala Val Arg Xaa Asn
65 70 75 80
Ser Ser Xaa Ser Ser Ala Val Pro Arg Val Cys Leu Leu Leu Gln Gln
85 90 95
Cys Leu Asp Gly Thr Asp Pro Gly Thr Leu Phe Gln His Thr Leu Glu
100 105 110
Glu Ala Gln Leu Ser Phe Leu Ile Phe
115 120

<210> 7963
 <211> 411
 <212> PRT
 <213> Homo sapiens

<400> 7963
Met Ala Ala Arg Ser Val Ser Gly Ile Thr Arg Arg Val Phe Met Trp
1 5 10 15
Thr Val Ser Gly Thr Pro Cys Arg Glu Phe Trp Ser Arg Phe Arg Lys
20 25 30
Glu Lys Glu Pro Val Val Val Glu Thr Val Glu Glu Lys Lys Glu Pro
35 40 45
Ile Leu Val Cys Pro Pro Leu Arg Ser Arg Ala Tyr Thr Pro Pro Glu
50 55 60
Asp Leu Gln Ser Arg Leu Glu Ser Tyr Val Lys Glu Val Phe Gly Ser
65 70 75 80
Ser Leu Pro Ser Asn Trp Gln Asp Ile Ser Leu Glu Asp Ser Arg Leu
85 90 95
Lys Phe Asn Leu Leu Ala His Leu Ala Asp Asp Leu Gly His Val Val
100 105 110
Pro Asn Ser Arg Leu His Gln Met Cys Arg Val Arg Xaa Val Leu Asp
115 120 125

Phe Tyr Asn Val Pro Ile Gln Glu Ile
130 135

<210> 7964
<211> 453
<212> PRT
<213> Homo sapiens

<400> 7964
Met Glu Glu Ile Gly Ile Leu Val Glu Lys Ala Gln Asp Glu Ile Pro
1 5 10 15
Ala Leu Ser Val Ser Arg Pro Gln Thr Gly Leu Ser Phe Leu Gly Pro
20 25 30
Glu Pro Glu Asp Leu Glu Asp Leu Tyr Ser Arg Tyr Lys Lys Leu Gln
35 40 45
Gln Glu Leu Glu Phe Leu Glu Val Gln Glu Glu Tyr Ile Lys Asp Glu
50 55 60
Gln Lys Asn Leu Lys Lys Glu Phe Leu His Ala Gln Glu Glu Val Lys
65 70 75 80
Arg Ile Gln Ser Ile Pro Leu Val Ile Gly Gln Phe Leu Glu Ala Val
85 90 95
Asp Gln Asn Thr Ala Ile Val Gly Ser Thr Thr Gly Ser Asn Tyr Tyr
100 105 110
Val Arg Ile Leu Ser Thr Ile Asp Arg Glu Leu Leu Lys Pro Asn Ala
115 120 125
Ser Val Ala Leu His Lys His Ser Asn Ala Leu Val Asp Val Leu Pro
130 135 140
Pro Lys Pro Thr Ala Ala Leu
145 150

<210> 7965
<211> 378
<212> PRT
<213> Homo sapiens

<400> 7965
Met Pro Glu Pro Ala Lys Ser Ala Pro Ala Pro Lys Lys Gly Ser Lys
1 5 10 15
Lys Ala Val Thr Lys Ala Gln Lys Lys Asp Gly Lys Lys Arg Lys Arg
20 25 30
Ser Arg Lys Glu Ser Tyr Ser Val Tyr Val Tyr Lys Val Leu Lys Gln
35 40 45
Val His Pro Asp Thr Gly Ile Ser Ser Lys Ala Met Gly Ile Met Asn
50 55 60
Ser Phe Val Asn Asp Ile Phe Glu Arg Ile Ala Gly Glu Ala Ser Arg
65 70 75 80
Leu Ala His Tyr Asn Lys Arg Ser Thr Ile Thr Ser Arg Glu Ile Gln
85 90 95
Thr Ala Val Arg Leu Leu Leu Pro Gly Glu Leu Ala Lys His Ala Val
100 105 110
Ser Glu Gly Thr Lys Ala Val Thr Lys Tyr Thr Ser Ser Lys
115 120 125

<210> 7966

<211> 378
 <212> PRT
 <213> Homo sapiens

<400> 7966

Met	Pro	Glu	Pro	Thr	Lys	Ser	Ala	Pro	Ala	Pro	Lys	Lys	Gly	Ser	Lys
1				5					10					15	
Lys	Ala	Val	Thr	Lys	Ala	Gln	Lys	Lys	Asp	Gly	Lys	Lys	Arg	Lys	Arg
			20					25					30		
Ser	Arg	Lys	Glu	Ser	Tyr	Ser	Val	Tyr	Val	Tyr	Lys	Val	Leu	Lys	Gln
		35					40					45			
Val	His	Pro	Asp	Thr	Gly	Ile	Ser	Ser	Lys	Ala	Met	Gly	Ile	Met	Asn
	50					55					60				
Ser	Phe	Val	Asn	Asp	Ile	Phe	Glu	Arg	Ile	Ala	Gly	Glu	Ala	Ser	Arg
65					70					75				80	
Leu	Ala	His	Tyr	Asn	Lys	Arg	Ser	Thr	Ile	Thr	Ser	Arg	Glu	Ile	Gln
				85					90					95	
Thr	Ala	Val	Arg	Leu	Leu	Leu	Pro	Gly	Glu	Leu	Ala	Lys	His	Ala	Val
			100					105					110		
Ser	Glu	Gly	Thr	Lys	Ala	Val	Thr	Lys	Tyr	Thr	Ser	Ser	Lys		
		115					120					125			

<210> 7967
 <211> 525
 <212> PRT
 <213> Homo sapiens

<400> 7967

Met	Asp	Ile	Ala	Ile	His	His	Pro	Trp	Ile	Arg	Arg	Pro	Phe	Phe	Pro
1				5					10					15	
Phe	His	Ser	Pro	Ser	Arg	Leu	Phe	Asp	Gln	Phe	Phe	Gly	Glu	His	Leu
			20					25					30		
Leu	Glu	Ser	Asp	Leu	Phe	Pro	Thr	Ser	Thr	Ser	Leu	Ser	Pro	Phe	Tyr
		35					40					45			
Leu	Arg	Pro	Pro	Ser	Phe	Leu	Arg	Ala	Pro	Ser	Trp	Phe	Asp	Thr	Gly
	50					55					60				
Leu	Ser	Glu	Met	Arg	Leu	Glu	Lys	Asp	Arg	Phe	Ser	Val	Asn	Leu	Asp
65					70					75				80	
Val	Lys	His	Phe	Ser	Pro	Glu	Glu	Leu	Lys	Val	Lys	Val	Leu	Gly	Asp
				85					90					95	
Val	Ile	Glu	Val	His	Gly	Lys	His	Glu	Glu	Arg	Gln	Asp	Glu	His	Gly
			100					105					110		
Phe	Ile	Ser	Arg	Glu	Phe	His	Arg	Lys	Tyr	Arg	Ile	Pro	Ala	Asp	Val
		115					120					125			
Asp	Pro	Leu	Thr	Ile	Thr	Ser	Ser	Leu	Ser	Ser	Asp	Gly	Val	Leu	Thr
	130					135					140				
Val	Asn	Gly	Pro	Arg	Lys	Gln	Val	Ser	Gly	Pro	Glu	Arg	Thr	Ile	Pro
145					150					155				160	
Ile	Thr	Arg	Glu	Glu	Lys	Pro	Ala	Val	Thr	Ala	Ala	Pro	Lys	Lys	
			165					170						175	

<210> 7968
 <211> 750
 <212> PRT

004032" 666666

<213> Homo sapiens

<400> 7968

Met Thr Ser Ala Phe Lys Leu Asp Phe Leu Pro Asp Met Met Val Xaa
1 5 10 15
Gly Arg Leu Leu Val Pro Asp Arg Ile Asn Gly Thr Ala Asn Lys Met
20 25 30
Asn Gly Ala Leu Asp Xaa Xaa Asp Gln Pro Asp Pro Asp Ala Ile Lys
35 40 45
Met Phe Val Gly Xaa Ile Pro Arg Ser Trp Ser Xaa Lys Glu Leu Thr
50 55 60
Ser Gln Leu Thr Pro His Thr His Leu Ala Thr Met Asp Ile Ala Ile
65 70 75 80
His His Pro Trp Ile Arg Arg Pro Phe Phe Pro Phe His Ser Pro Ser
85 90 95
Arg Leu Phe Asp Gln Phe Phe Gly Glu His Leu Leu Glu Ser Asp Leu
100 105 110
Phe Pro Thr Ser Thr Ser Leu Ser Pro Phe Tyr Leu Arg Pro Pro Ser
115 120 125
Phe Leu Arg Ala Pro Ser Trp Phe Asp Thr Gly Leu Ser Glu Met Arg
130 135 140
Leu Glu Lys Asp Arg Phe Ser Val Asn Leu Asp Val Lys His Phe Ser
145 150 155 160
Pro Glu Glu Leu Lys Val Lys Val Leu Gly Asp Val Ile Glu Val His
165 170 175
Gly Lys His Glu Glu Arg Gln Asp Glu His Gly Phe Ile Ser Arg Glu
180 185 190
Phe His Arg Lys Tyr Arg Ile Pro Ala Asp Val Asp Pro Leu Thr Ile
195 200 205
Thr Ser Ser Leu Ser Ser Asp Gly Val Leu Thr Val Asn Gly Pro Arg
210 215 220
Lys Gln Val Ser Gly Pro Glu Arg Thr Ile Pro Ile Thr Arg Glu Glu
225 230 235 240
Lys Pro Ala Val Thr Ala Ala Pro Lys Lys
245 250

<210> 7969

<211> 324

<212> PRT

<213> Homo sapiens

<400> 7969

Met Arg Leu Glu Lys Asp Arg Phe Ser Val Asn Leu Asp Val Lys His
1 5 10 15
Phe Ser Pro Glu Glu Leu Lys Val Lys Val Leu Gly Asp Val Ile Glu
20 25 30
Val His Gly Lys His Glu Glu Arg Gln Asp Glu His Gly Phe Ile Ser
35 40 45
Arg Glu Phe His Arg Lys Tyr Arg Ile Pro Ala Asp Val Asp Pro Leu
50 55 60
Thr Ile Thr Ser Ser Leu Ser Ser Asp Gly Val Leu Thr Val Asn Gly
65 70 75 80
Pro Arg Lys Gln Val Ser Gly Pro Glu Arg Thr Ile Pro Ile Thr Arg
85 90 95

Glu Glu Lys Pro Ala Val Thr Ala Ala Pro Lys Lys
 100 105

<210> 7970
 <211> 426
 <212> PRT
 <213> Homo sapiens

<400> 7970
 Met Glu Ala Thr Thr Ala Gly Val Gly Arg Leu Glu Glu Glu Ala Leu
 1 5 10 15
 Arg Arg Lys Glu Arg Leu Lys Ala Leu Arg Glu Lys Thr Gly Arg Lys
 20 25 30
 Asp Lys Glu Asp Gly Glu Pro Lys Thr Lys His Leu Arg Glu Glu Glu
 35 40 45
 Glu Glu Gly Glu Lys His Arg Glu Leu Arg Leu Arg Asn Tyr Val Pro
 50 55 60
 Glu Asp Glu Asp Leu Lys Lys Arg Arg Val Pro Gln Ala Lys Pro Val
 65 70 75 80
 Ala Val Glu Glu Lys Val Lys Glu Gln Leu Glu Ala Ala Lys Pro Glu
 85 90 95
 Pro Val Ile Glu Glu Val Asp Leu Ala Asn Leu Xaa Ser Arg Lys Pro
 100 105 110
 Asp Trp Asp Leu Lys Arg Asp Val Ala Lys Lys Leu Glu Lys Leu Lys
 115 120 125
 Lys Arg Thr Gln Arg Ala Ile Ala Glu Leu Ile Arg Glu Gly
 130 135 140

<210> 7971
 <211> 324
 <212> PRT
 <213> Homo sapiens

<400> 7971
 Met Ala Ala Ala Met Asp Val Asp Thr Pro Ser Gly Thr Asn Ser Gly
 1 5 10 15
 Ala Gly Lys Lys Arg Phe Glu Val Lys Lys Trp Asn Ala Val Ala Leu
 20 25 30
 Trp Ala Trp Asp Ile Val Val Asp Asn Cys Ala Ile Cys Arg Asn His
 35 40 45
 Ile Met Asp Leu Cys Ile Glu Cys Gln Ala Asn Gln Ala Ser Ala Thr
 50 55 60
 Ser Glu Glu Cys Thr Val Ala Trp Gly Val Cys Asn His Ala Phe His
 65 70 75 80
 Phe His Cys Ile Ser Arg Trp Leu Lys Thr Arg Gln Val Cys Pro Leu
 85 90 95
 Asp Asn Arg Glu Trp Glu Phe Gln Lys Tyr Gly His
 100 105

<210> 7972
 <211> 366
 <212> PRT
 <213> Homo sapiens

004230"6667560

<400> 7972

Met Thr Lys Lys Arg Arg Asn Asn Gly Arg Ala Lys Lys Gly Arg Gly
1 5 10 15
His Val Gln Pro Ile Arg Cys Thr Asn Cys Ala Arg Cys Val Pro Lys
20 25 30
Asp Lys Ala Ile Lys Lys Phe Val Ile Arg Asn Ile Val Glu Ala Ala
35 40 45
Ala Val Arg Asp Ile Ser Glu Ala Ser Val Phe Asp Ala Tyr Val Leu
50 55 60
Pro Lys Leu Tyr Val Lys Leu His Tyr Cys Val Ser Cys Ala Ile His
65 70 75 80
Ser Lys Val Val Arg Asn Arg Ser Arg Glu Ala Arg Lys Asp Arg Thr
85 90 95
Pro Pro Pro Arg Phe Arg Pro Ala Gly Ala Ala Pro Arg Pro Xaa Gln
100 105 110
Ser Pro Cys Lys Glu Leu Ser Xaa Lys Asp
115 120

<210> 7973

<211> 429

<212> PRT

<213> Homo sapiens

<400> 7973

Met Glu Glu Lys Lys Gly Ile Ser Gly Tyr Ser Tyr Thr Gln Glu Glu
1 5 10 15
Leu Glu Arg Val Ser Ala Leu Lys Ser Glu Val Asp Glu Met Lys Gly
20 25 30
Arg Thr Leu Asp Asp Met Ser Glu Met Val Lys Lys Leu Tyr Ser Leu
35 40 45
Val Ser Glu Lys Lys Ser Ala Leu Ala Ser Val Ile Lys Glu Leu Arg
50 55 60
Gln Leu Arg Gln Lys Tyr Gln Glu Leu Thr Gln Glu Cys Asp Glu Lys
65 70 75 80
Lys Ser Gln Tyr Asp Ser Cys Ala Ala Gly Leu Glu Ser Asn Arg Ser
85 90 95
Lys Leu Glu Gln Glu Val Arg Arg Leu Arg Glu Glu Cys Leu Gln Glu
100 105 110
Glu Ser Arg Tyr His Tyr Thr Asn Cys Met Ile Lys Asn Leu Glu Val
115 120 125
Gln Leu Arg Arg Ala Thr Asp Glu Asn Glu Gly Ile Tyr Leu Phe
130 135 140

<210> 7974

<211> 393

<212> PRT

<213> Homo sapiens

<400> 7974

Met Ala Ser Met Gly Thr Leu Ala Phe Asp Glu Tyr Gly Arg Pro Phe
1 5 10 15
Leu Ile Ile Lys Asp Gln Asp Arg Lys Ser Arg Leu Met Gly Leu Glu
20 25 30
Ala Leu Lys Ser His Ile Met Ala Ala Lys Ala Val Ala Asn Thr Met

35 40 45
 Arg Thr Ser Leu Gly Pro Asn Gly Leu Asp Lys Met Met Val Asp Lys
 50 55 60
 Asp Gly Asp Val Thr Val Thr Asn Asp Gly Ala Thr Ile Leu Ser Met
 65 70 75 80
 Met Asp Val Asp His Gln Ile Ala Lys Leu Met Val Glu Leu Ser Lys
 85 90 95
 Ser Gln Asp Asp Glu Ile Gly Asp Gly Thr Thr Gly Val Val Val Leu
 100 105 110
 Ala Gly Ala Leu Leu Glu Lys Arg Xaa Ile Ala Ser Arg Ala Phe Thr
 115 120 125
 Gln Ser Glu
 130

<210> 7975
 <211> 429
 <212> PRT
 <213> Homo sapiens

<400> 7975
 Met Gly Lys Cys Arg Gly Leu Arg Thr Ala Arg Lys Leu Arg Ser His
 1 5 10 15
 Arg Arg Asp Gln Lys Trp His Asp Lys Gln Tyr Lys Lys Ala His Leu
 20 25 30
 Gly Thr Ala Leu Lys Ala Asn Pro Phe Gly Gly Ala Ser His Ala Lys
 35 40 45
 Gly Ile Val Leu Glu Lys Val Gly Val Glu Ala Lys Gln Pro Asn Ser
 50 55 60
 Ala Ile Arg Lys Cys Val Arg Val Gln Leu Ile Lys Asn Gly Lys Lys
 65 70 75 80
 Ile Thr Ala Phe Val Pro Asn Asp Gly Cys Leu Asn Phe Ile Glu Glu
 85 90 95
 Asn Asp Glu Val Leu Val Ala Gly Phe Gly Arg Lys Gly His Ala Val
 100 105 110
 Gly Asp Ile Pro Gly Val Arg Phe Lys Val Val Lys Val Ala Asn Val
 115 120 125
 Ser Leu Leu Ala Leu Tyr Lys Gly Lys Lys Glu Arg Pro Arg Ser
 130 135 140

<210> 7976
 <211> 327
 <212> PRT
 <213> Homo sapiens

<400> 7976
 Met Pro Val Ala Val Met Ala Glu Ser Ala Phe Ser Phe Lys Lys Leu
 1 5 10 15
 Leu Asp Gln Cys Glu Asn Gln Glu Leu Glu Ala Pro Gly Gly Ile Ala
 20 25 30
 Thr Pro Pro Val Tyr Gly Gln Leu Leu Ala Leu Tyr Leu Leu His Asn
 35 40 45
 Asp Met Asn Asn Ala Arg Tyr Leu Trp Lys Arg Ile Pro Pro Ala Ile
 50 55 60
 Lys Ser Ala Asn Ser Glu Leu Gly Gly Ile Trp Ser Val Gly Gln Arg

65 70 75 80
 Ile Trp Gln Arg Asp Phe Pro Gly Ile Tyr Thr Thr Ile Asn Ala His
 85 90 95
 Gln Trp Ser Glu Thr Val Gln Pro Ile Met Glu Ser Thr
 100 105

<210> 7977
 <211> 402
 <212> PRT
 <213> Homo sapiens

<400> 7977
 Met Val Glu Asn Ser Pro Ser Pro Leu Pro Glu Arg Ala Ile Tyr Gly
 1 5 10 15
 Phe Val Leu Phe Leu Ser Ser Gln Phe Gly Phe Ile Leu Tyr Leu Val
 20 25 30
 Trp Ala Phe Ile Pro Glu Ser Trp Leu Asn Ser Leu Gly Leu Thr Tyr
 35 40 45
 Trp Pro Gln Lys Tyr Trp Ala Val Ala Leu Pro Val Tyr Leu Leu Ile
 50 55 60
 Ala Ile Val Ile Gly Tyr Val Leu Leu Phe Gly Ile Asn Met Met Ser
 65 70 75 80
 Thr Ser Pro Leu Asp Ser Ile His Thr Ile Thr Asp Asn Tyr Ala Lys
 85 90 95
 Asn Gln Gln Gln Lys Lys Tyr Gln Glu Glu Ala Ile Pro Ala Leu Arg
 100 105 110
 Asp Ile Ser Ile Ser Glu Val Asn Gln Met Phe Phe Leu Ala Ala Lys
 115 120 125
 Glu Leu Tyr Thr Lys Asn
 130

<210> 7978
 <211> 363
 <212> PRT
 <213> Homo sapiens

<400> 7978
 Met Glu Ala Glu Val Asp Lys Leu Glu Leu Met Phe Gln Lys Ala Glu
 1 5 10 15
 Ser Asp Leu Asp Tyr Ile Gln Tyr Arg Leu Glu Tyr Glu Ile Lys Thr
 20 25 30
 Asn His Pro Asp Ser Ala Ser Glu Lys Asn Pro Val Thr Leu Leu Lys
 35 40 45
 Glu Leu Ser Val Ile Lys Ser Arg Tyr Gln Thr Leu Tyr Ala Arg Phe
 50 55 60
 Xaa Pro Val Ala Val Glu Gln Lys Glu Ser Xaa Ser Arg Ile Cys Ala
 65 70 75 80
 Thr Val Lys Xaa Thr Met Asn Met Ile Gln Xaa Leu Gln Xaa Xaa Thr
 85 90 95
 Asp Leu Glu Leu Ser Pro Leu Thr Xaa Xaa Glu Lys Thr Ala Ala Xaa
 100 105 110
 Gln Phe Arg Phe His Met Pro Asp Leu
 115 120

<210> 7979
 <211> 306
 <212> PRT
 <213> Homo sapiens

<400> 7979
 Met Ala Gly Gln Ala Phe Arg Lys Phe Leu Pro Leu Phe Asp Arg Val
 1 5 10 15
 Leu Val Glu Arg Ser Ala Ala Glu Thr Val Thr Lys Gly Gly Ile Met
 20 25 30
 Leu Pro Glu Lys Ser Gln Gly Lys Val Leu Gln Ala Thr Val Val Ala
 35 40 45
 Val Gly Ser Gly Ser Lys Gly Lys Gly Glu Ile Gln Pro Val Ser
 50 55 60
 Val Lys Val Gly Asp Lys Val Leu Leu Pro Glu Tyr Gly Gly Thr Lys
 65 70 75 80
 Val Val Leu Asp Asp Lys Asp Tyr Phe Leu Phe Arg Asp Gly Asp Ile
 85 90 95
 Leu Gly Lys Tyr Val Asp
 100

<210> 7980
 <211> 351
 <212> PRT
 <213> Homo sapiens

<400> 7980
 Met Leu Gly Arg Gly Gly Cys Cys Arg Gly Ala Gly Asp Ala Pro Pro
 1 5 10 15
 Gln Asp Pro Met Glu Met Ala Glu Val Glu Glu Thr Leu Lys Arg Leu
 20 25 30
 Gln Xaa Gln Lys Gly Val Gln Gly Ile Ile Val Val Asn Thr Glu Gly
 35 40 45
 Ile Pro Ile Lys Ser Thr Met Asp Asn His Thr Thr Thr Gln Tyr Ala
 50 55 60
 Ser Leu Met His Ser Phe Ile Leu Lys Ala Arg Ser Thr Val Arg Asp
 65 70 75 80
 Ile Asp Pro Gln Asn Asp Leu Thr Phe Leu Arg Ile Arg Ser Lys Lys
 85 90 95
 Asn Glu Ile Met Val Ala Pro Asp Lys Asp Tyr Phe Leu Ile Val Ile
 100 105 110
 Gln Asn Pro Thr Glu
 115

<210> 7981
 <211> 330
 <212> PRT
 <213> Homo sapiens

<400> 7981
 Met Ala Gly Gly Glu Ala Gly Val Thr Leu Gly Gln Pro His Leu Ser
 1 5 10 15
 Arg Gln Asp Leu Thr Thr Leu Asp Val Thr Lys Leu Thr Pro Leu Ser
 20 25 30

His Glu Val Ile Ser Arg Gln Ala Thr Ile Asn Ile Gly Thr Ile Gly
 35 40 45
 His Val Ala His Gly Lys Ser Thr Val Val Lys Ala Ile Ser Gly Val
 50 55 60
 His Thr Val Arg Phe Lys Asn Glu Leu Glu Arg Asn Ile Thr Ile Lys
 65 70 75 80
 Leu Gly Tyr Ala Asn Ala Lys Ile Tyr Lys Leu Asp Asp Pro Ser Cys
 85 90 95
 Pro Arg Pro Glu Cys Tyr Arg Xaa Leu Trp Glu Gln Tyr Thr
 100 105 110

<210> 7982
 <211> 378
 <212> PRT
 <213> Homo sapiens

<400> 7982
 Met Thr Asp Gln Gln Ala Glu Ala Arg Ser Tyr Leu Ser Glu Glu Met
 1 5 10 15
 Ile Ala Glu Phe Lys Ala Ala Phe Asp Met Phe Asp Ala Asp Gly Gly
 20 25 30
 Gly Asp Ile Ser Val Lys Glu Leu Gly Thr Val Met Arg Met Leu Gly
 35 40 45
 Gln Thr Pro Thr Lys Glu Glu Leu Asp Ala Ile Ile Glu Glu Val Asp
 50 55 60
 Glu Asp Gly Ser Gly Thr Ile Asp Phe Glu Glu Phe Leu Val Met Met
 65 70 75 80
 Val Arg Gln Met Lys Glu Asp Ala Lys Gly Lys Ser Glu Glu Glu Leu
 85 90 95
 Ala Glu Cys Phe Arg Ile Phe Asp Arg Asn Ala Asp Gly Tyr Ile Asp
 100 105 110
 Pro Glu Ser Trp Leu Arg Phe Ser Gly Pro Pro Gly Ser Thr
 115 120 125

<210> 7983
 <211> 516
 <212> PRT
 <213> Homo sapiens

<400> 7983
 Met Ser Gln Thr Arg Asp Leu Gln Gly Gly Lys Ala Phe Gly Leu Leu
 1 5 10 15
 Lys Ala Gln Gln Glu Glu Arg Leu Asp Glu Ile Asn Lys Gln Phe Leu
 20 25 30
 Asp Asp Pro Lys Tyr Ser Ser Asp Glu Asp Leu Pro Ser Lys Leu Glu
 35 40 45
 Gly Phe Lys Glu Lys Tyr Met Glu Phe Asp Leu Asn Gly Asn Gly Asp
 50 55 60
 Ile Asp Ile Met Ser Leu Lys Arg Met Leu Glu Lys Leu Gly Val Pro
 65 70 75 80
 Lys Thr His Leu Glu Leu Lys Lys Leu Ile Gly Glu Val Ser Ser Gly
 85 90 95
 Ser Gly Glu Thr Phe Ser Tyr Pro Asp Phe Leu Arg Met Met Leu Gly
 100 105 110

Lys Arg Ser Ala Ile Leu Lys Met Ile Leu Met Tyr Glu Glu Lys Ala
 115 120 125
 Arg Glu Lys Glu Lys Pro Thr Gly Pro Pro Ala Arg Lys Leu Ser Leu
 130 135 140
 Ser Cys Pro Asp Leu Lys Gly Lys Gly Met Met Gly Leu Lys Gly Leu
 145 150 155 160
 Leu Ile Thr Gln Ile Trp Lys Gln Lys Thr Lys Leu
 165 170

<210> 7984
 <211> 321
 <212> PRT
 <213> Homo sapiens

<400> 7984
 Met Lys Asn Phe Val Thr Lys Val Ser Val Gly Glu Phe Val Gly Glu
 1 5 10 15
 Gly Glu Gly Lys Ser Lys Lys Ile Ser Lys Lys Asn Ala Ala Ile Ala
 20 25 30
 Val Leu Glu Glu Leu Lys Lys Leu Pro Pro Leu Pro Ala Val Glu Arg
 35 40 45
 Val Lys Pro Arg Ile Lys Lys Lys Thr Lys Pro Ile Val Lys Pro Gln
 50 55 60
 Thr Ser Pro Glu Tyr Gly Gln Gly Ile Asn Pro Ile Ser Arg Leu Ala
 65 70 75 80
 Gln Ile Gln Gln Ala Lys Lys Glu Lys Glu Gln Ser Thr Arg Ser Ser
 85 90 95
 Gln Ser Glu Ala Ser Arg Ala Ala Gly Ser Leu
 100 105

<210> 7985
 <211> 372
 <212> PRT
 <213> Homo sapiens

<400> 7985
 Met Ala Leu Ser Lys Arg Glu Leu Asp Glu Leu Lys Pro Trp Ile Glu
 1 5 10 15
 Lys Thr Val Lys Arg Val Leu Gly Phe Ser Glu Pro Thr Val Val Thr
 20 25 30
 Ala Ala Leu Asn Cys Val Gly Lys Gly Met Asp Lys Lys Lys Ala Ala
 35 40 45
 Asp His Leu Lys Pro Phe Leu Asp Asp Ser Thr Leu Arg Phe Val Asp
 50 55 60
 Lys Leu Phe Glu Ala Val Glu Glu Gly Arg Ser Ser Arg His Ser Lys
 65 70 75 80
 Ser Ser Ser Asp Arg Ser Arg Lys Arg Glu Leu Lys Glu Val Phe Gly
 85 90 95
 Asp Asp Ser Glu Ile Ser Lys Glu Ser Ser Gly Val Lys Lys Arg Arg
 100 105 110
 Ile Pro Arg Phe Glu Glu Xaa Lys Lys Ser Gln Arg
 115 120

<210> 7986

<211> 321
 <212> PRT
 <213> Homo sapiens

<400> 7986
 Met Glu Asn His Lys Ser Asn Asn Lys Glu Asn Ile Thr Ile Val Asp
 1 5 10 15
 Ile Ser Arg Lys Ile Asn Gln Leu Pro Glu Ala Glu Arg Asn Leu Leu
 20 25 30
 Glu Asn Gly Ser Val Tyr Val Gly Leu Asn Ala Ala Leu Cys Gly Leu
 35 40 45
 Ile Ala Asn Ser Leu Phe Arg Arg Ile Leu Asn Val Thr Lys Ala Arg
 50 55 60
 Ile Ala Ala Gly Leu Pro Met Ala Gly Ile Pro Phe Leu Thr Thr Asp
 65 70 75 80
 Leu Thr Tyr Arg Cys Phe Val Ser Phe Pro Leu Asn Thr Gly Asp Leu
 85 90 95
 Asp Cys Glu Thr Cys Thr Ile Thr Arg Ser Asp
 100 105

<210> 7987
 <211> 354
 <212> PRT
 <213> Homo sapiens

<400> 7987
 Met Ser Gly Gly Leu Leu Lys Ala Leu Arg Xaa Asp Ser Tyr Val Glu
 1 5 10 15
 Leu Ser Gln Tyr Arg Asp Gln His Phe Arg Gly Asp Asn Glu Glu Gln
 20 25 30
 Glu Lys Leu Leu Lys Lys Ser Cys Thr Leu Tyr Val Gly Asn Leu Ser
 35 40 45
 Phe Tyr Thr Thr Glu Glu Gln Ile Tyr Glu Leu Phe Ser Lys Ser Gly
 50 55 60
 Asp Ile Lys Lys Ile Ile Met Gly Leu Asp Lys Met Lys Lys Thr Ala
 65 70 75 80
 Cys Gly Phe Cys Leu Trp Asn Ile Thr His Ala Gln Met Arg Lys Thr
 85 90 95
 Pro Cys Gly Thr Xaa Met Gly Arg Val Trp Met Thr Glu Ser Phe Ala
 100 105 110
 Gln Thr Gly Thr Gln Leu
 115

<210> 7988
 <211> 366
 <212> PRT
 <213> Homo sapiens

<400> 7988
 Met Ala Asp Glu Ala Thr Arg Arg Val Val Ser Glu Ile Pro Val Leu
 1 5 10 15
 Lys Thr Asn Ala Gly Pro Arg Asp Arg Glu Leu Trp Val Gln Arg Leu
 20 25 30
 Lys Glu Glu Tyr Gln Ser Leu Ile Arg Tyr Val Glu Asn Asn Lys Asn

004420"656E7560

35	40	45
Ala Asp Asn Asp Trp Phe Arg Leu Glu Ser Asn Lys Glu Gly Thr Arg		
50	55	60
Trp Phe Gly Lys Cys Trp Tyr Ile His Asp Leu Leu Lys Tyr Glu Phe		
65	70	75
Asp Ile Glu Phe Asp Ile Pro Ile Thr Tyr Pro Thr Thr Ala Pro Glu		
85	90	95
Ile Ala Val Pro Glu Leu Asp Gly Lys Thr Ala Lys Met Tyr Ser Trp		
100	105	110
Val His Gly Trp Gln Trp Lys Ser Leu Ile		
115	120	

<210> 7989
 <211> 366
 <212> PRT
 <213> Homo sapiens

<400> 7989
Met Ala Asp Glu Ala Thr Arg Arg Val Val Ser Glu Ile Pro Val Leu
1 5 10 15
Lys Thr Asn Ala Gly Pro Arg Asp Arg Glu Leu Trp Val Gln Arg Leu
20 25 30
Lys Glu Glu Tyr Gln Ser Leu Ile Arg Tyr Val Glu Asn Asn Lys Asn
35 40 45
Ala Asp Asn Asp Trp Phe Arg Leu Glu Ser Asn Lys Glu Gly Thr Arg
50 55 60
Trp Phe Gly Lys Cys Trp Tyr Ile His Asp Leu Leu Lys Tyr Glu Phe
65 70 75 80
Asp Ile Glu Phe Asp Ile Pro Ile Thr Tyr Pro Thr Thr Ala Pro Glu
85 90 95
Ile Ala Val Pro Glu Leu Asp Gly Lys Thr Ala Lys Met Tyr Ser Trp
100 105 110
Val His Gly Trp Gln Trp Lys Ser Leu Ile
115 120

<210> 7990
 <211> 336
 <212> PRT
 <213> Homo sapiens

<400> 7990
Met Pro Lys Phe Tyr Cys Asp Tyr Cys Asp Thr Tyr Leu Thr His Asp
1 5 10 15
Ser Pro Ser Val Arg Lys Thr His Cys Ser Gly Arg Lys His Lys Glu
20 25 30
Asn Val Lys Asp Tyr Tyr Gln Lys Trp Met Glu Glu Gln Ala Gln Ser
35 40 45
Leu Ile Asp Lys Thr Thr Ala Ala Phe Gln Gln Gly Lys Ile Pro Pro
50 55 60
Thr Pro Phe Ser Ala Pro Pro Pro Ala Gly Ala Met Ile Pro Pro Pro
65 70 75 80
Pro Ser Leu Pro Gly Pro Pro Arg Pro Gly Met Met Pro Ala Pro His
85 90 95
Met Gly Gly Pro Pro Met Met Pro Met Met Gly Leu Leu Leu Leu Gly

100

105

110

<210> 7991
 <211> 381
 <212> PRT
 <213> Homo sapiens

<400> 7991
 Met Glu Glu Val Pro His Asp Cys Pro Gly Ala Asp Ser Ala Gln Ala
 1 5 10 15
 Gly Arg Gly Ala Ser Cys Gln Gly Cys Pro Asn Gln Arg Leu Cys Ala
 20 25 30
 Ser Gly Ala Gly Ala Thr Pro Asp Thr Ala Ile Glu Glu Ile Lys Glu
 35 40 45
 Lys Met Lys Thr Val Lys His Lys Ile Leu Val Leu Ser Gly Lys Gly
 50 55 60
 Gly Val Gly Lys Ser Thr Phe Ser Ala His Leu Ala His Gly Leu Ala
 65 70 75 80
 Glu Asp Glu Asn Thr Gln Ile Ala Leu Leu Asp Ile Asp Ile Cys Gly
 85 90 95
 Pro Ser Ile Pro Lys Ile Met Gly Leu Glu Gly Glu Gln Val His Gln
 100 105 110
 Ser Gly Ser Gly Trp Ser Pro Val Tyr Val Glu Asp Asn Trp Gly
 115 120 125

<210> 7992
 <211> 381
 <212> PRT
 <213> Homo sapiens

<400> 7992
 Met Glu Glu Val Pro His Asp Cys Pro Gly Ala Asp Ser Ala Gln Ala
 1 5 10 15
 Gly Arg Gly Ala Ser Cys Gln Gly Cys Pro Asn Gln Arg Leu Cys Ala
 20 25 30
 Ser Gly Ala Gly Ala Thr Ala Asp Thr Ala Ile Glu Glu Ile Lys Glu
 35 40 45
 Lys Met Lys Thr Val Lys His Lys Ile Leu Val Leu Ser Gly Lys Gly
 50 55 60
 Gly Val Gly Lys Ser Thr Phe Ser Ala His Leu Ala His Gly Leu Ala
 65 70 75 80
 Glu Asp Phe Gly Gln Gly Cys Gln Lys Val Leu Leu Leu Glu Glu Lys
 85 90 95
 Tyr Xaa Ile Ser Leu Trp Phe Phe Leu Cys Ile Val Phe Ser Arg Xaa
 100 105 110
 Arg Val Ser Leu Cys Cys Pro Gly Trp Ser Xaa Val Ala Arg Ser
 115 120 125

<210> 7993
 <211> 618
 <212> PRT
 <213> Homo sapiens

<400> 7993

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Met Arg Glu Cys Ile Ser Ile His Val Gly Gln Ala Gly Val Gln Ile
1           5           10           15
Gly Asn Ala Cys Trp Glu Leu Tyr Cys Leu Glu His Gly Ile Gln Pro
          20           25           30
Asp Gly Gln Met Pro Ser Asp Lys Thr Ile Gly Gly Gly Asp Asp Ser
          35           40           45
Phe Asn Thr Phe Phe Ser Glu Thr Gly Ala Gly Lys His Val Pro Arg
          50           55           60
Ala Val Phe Val Asp Leu Glu Pro Thr Val Ile Asp Glu Val Arg Thr
65           70           75           80
Gly Thr Tyr Arg Gln Leu Phe His Pro Glu Gln Leu Ile Thr Gly Lys
          85           90           95
Glu Asp Ala Ala Asn Asn Tyr Ala Arg Gly His Tyr Thr Ile Gly Lys
          100          105          110
Glu Ile Ile Asp Leu Val Leu Asp Arg Ile Arg Lys Leu Ala Asp Gln
          115          120          125
Cys Thr Gly Leu Gln Gly Phe Leu Val Phe His Ser Xaa Gly Gly Gly
          130          135          140
Thr Gly Ser Gly Phe Thr Ser Leu Leu Met Glu Arg Leu Ser Val Asp
145          150          155          160
Tyr Gly Lys Lys Ser Lys Leu Glu Phe Ser Ile Tyr Pro Ala Pro Gln
          165          170          175
Val Ser Thr Ala Val Val Glu Pro Tyr Asn Ser Ile Leu Thr Thr His
          180          185          190
Thr Thr Leu Glu His Ser Asp Cys Ala Xaa His Gly Arg Gln
          195          200          205

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<210> 7994
 <211> 618
 <212> PRT
 <213> Homo sapiens

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<400> 7994
Met Arg Glu Cys Ile Ser Ile His Val Gly Gln Ala Gly Val Gln Ile
1           5           10           15
Gly Asn Ala Cys Trp Glu Leu Tyr Cys Leu Glu His Gly Ile Gln Pro
          20           25           30
Asp Gly Gln Met Pro Ser Asp Lys Thr Ile Gly Gly Gly Asp Asp Ser
          35           40           45
Phe Asn Thr Phe Phe Ser Glu Thr Gly Ala Gly Lys His Val Pro Arg
          50           55           60
Ala Val Phe Val Asp Leu Glu Pro Thr Val Ile Asp Glu Val Arg Thr
65           70           75           80
Gly Thr Tyr Arg Gln Leu Phe His Pro Glu Gln Leu Ile Thr Gly Lys
          85           90           95
Glu Asp Ala Ala Asn Asn Tyr Ala Arg Gly His Tyr Thr Ile Gly Lys
          100          105          110
Glu Ile Ile Asp Leu Val Leu Asp Arg Ile Arg Lys Leu Ala Asp Gln
          115          120          125
Cys Thr Gly Leu Gln Gly Phe Leu Val Phe His Ser Xaa Xaa Gly Gly
          130          135          140
Thr Gly Ser Gly Phe Thr Ser Leu Leu Met Glu Arg Leu Ser Val Asp
145          150          155          160
Tyr Gly Lys Lys Ser Lys Leu Glu Phe Ser Ile Tyr Pro Ala Pro Gln

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				165					170					175			
Val	Ser	Thr	Ala	Val	Val	Glu	Pro	Tyr	Asn	Ser	Ile	Leu	Thr	Thr	His		
			180					185					190				
Thr	Thr	Leu	Glu	His	Ser	Asp	Cys	Ala	Xaa	His	Gly	Arg	Gln				
		195					200					205					

<210> 7995
 <211> 324
 <212> PRT
 <213> Homo sapiens

<400> 7995
 Met Glu Ala Val Leu Thr Glu Glu Leu Asp Glu Glu Glu Gln Leu Leu
 1 5 10 15
 Arg Arg His Arg Lys Glu Lys Lys Glu Leu Gln Ala Lys Ile Gln Gly
 20 25 30
 Met Lys Asn Ala Val Pro Lys Asn Asp Lys Lys Arg Arg Lys Gln Leu
 35 40 45
 Thr Glu Asp Val Ala Lys Leu Glu Lys Glu Met Glu Gln Lys His Arg
 50 55 60
 Glu Glu Leu Glu Gln Leu Lys Leu Thr Thr Lys Glu Asn Lys Ile Asp
 65 70 75 80
 Ser Val Ala Val Asn Ile Ser Asn Leu Val Leu Glu Asn Gln Pro Pro
 85 90 95
 Arg Ile Ser Lys Ala Gln Lys Arg Arg Val Pro Gly
 100 105

<210> 7996
 <211> 405
 <212> PRT
 <213> Homo sapiens

<400> 7996
 Met Ala Phe Leu Ala Ser Gly Pro Tyr Leu Thr His Gln Gln Lys Val
 1 5 10 15
 Leu Arg Leu Tyr Lys Arg Ala Leu Arg His Leu Glu Ser Trp Cys Val
 20 25 30
 Gln Arg Asp Lys Tyr Arg Tyr Phe Ala Cys Leu Met Arg Ala Arg Phe
 35 40 45
 Glu Glu His Lys Asn Glu Lys Xaa Met Ala Lys Ala Thr Gln Leu Lys
 50 55 60
 Glu Ala Glu Glu Glu Phe Trp Tyr Arg Gln His Pro Gln Pro Tyr Ile
 65 70 75 80
 Phe Pro Asp Ser Pro Gly Gly Thr Ser Tyr Glu Arg Tyr Asp Cys Tyr
 85 90 95
 Lys Val Pro Glu Trp Cys Leu Asp Asp Trp His Pro Ser Glu Lys Ala
 100 105 110
 Met Tyr Pro Asp Tyr Phe Ala Lys Arg Glu Gln Trp Lys Lys Leu Arg
 115 120 125
 Gly Lys Leu Gly Thr Arg Gly
 130 135

<210> 7997
 <211> 612

<212> PRT
<213> Homo sapiens

<400> 7997

Met	Gly	Ala	Tyr	Lys	Tyr	Ile	Gln	Glu	Leu	Trp	Arg	Lys	Lys	Gln	Ser
1				5					10					15	
Asp	Val	Met	Arg	Phe	Leu	Leu	Arg	Val	Arg	Cys	Trp	Gln	Tyr	Arg	Gln
			20					25				30			
Leu	Ser	Ala	Leu	His	Arg	Ala	Pro	Arg	Pro	Thr	Arg	Pro	Asp	Lys	Ala
		35				40					45				
Arg	Arg	Leu	Gly	Tyr	Lys	Ala	Lys	Gln	Gly	Tyr	Val	Ile	Tyr	Arg	Ile
	50				55					60					
Arg	Val	Arg	Arg	Gly	Gly	Arg	Lys	Arg	Pro	Val	Pro	Lys	Gly	Ala	Thr
65				70					75					80	
Tyr	Gly	Lys	Pro	Val	His	His	Gly	Val	Asn	Gln	Leu	Lys	Phe	Ala	Arg
			85					90					95		
Ser	Leu	Gln	Ser	Val	Ala	Glu	Glu	Arg	Ala	Gly	Arg	His	Cys	Gly	Ala
			100					105					110		
Leu	Arg	Val	Leu	Asn	Ser	Tyr	Trp	Val	Gly	Glu	Asp	Ser	Thr	Tyr	Lys
		115					120					125			
Phe	Phe	Glu	Val	Ile	Leu	Ile	Asp	Pro	Phe	His	Lys	Ala	Ile	Arg	Arg
	130					135					140				
Asn	Pro	Asp	Thr	Gln	Trp	Ile	Thr	Lys	Pro	Val	His	Lys	His	Arg	Glu
145				150					155					160	
Met	Arg	Gly	Leu	Thr	Ser	Ala	Gly	Arg	Lys	Ser	Arg	Gly	Leu	Gly	Lys
			165					170					175		
Gly	His	Lys	Phe	His	His	Thr	Ile	Gly	Gly	Ser	Arg	Arg	Ala	Ala	Trp
			180					185					190		
Arg	Arg	Arg	Asn	Thr	Leu	Gln	Leu	His	Arg	Tyr	Arg				
		195					200								

<210> 7998
<211> 612
<212> PRT
<213> Homo sapiens

<400> 7998

Met	Gly	Ala	Tyr	Lys	Tyr	Ile	Gln	Glu	Leu	Trp	Arg	Lys	Lys	Gln	Ser
1				5					10					15	
Asp	Val	Met	Arg	Phe	Leu	Leu	Arg	Val	Arg	Cys	Trp	Gln	Tyr	Arg	Gln
			20					25				30			
Leu	Ser	Ala	Leu	His	Arg	Ala	Pro	Arg	Pro	Thr	Arg	Pro	Asp	Lys	Ala
		35				40					45				
Arg	Arg	Leu	Gly	Tyr	Lys	Ala	Lys	Gln	Gly	Tyr	Val	Ile	Tyr	Arg	Ile
	50				55					60					
Arg	Val	Arg	Arg	Gly	Gly	Arg	Lys	Arg	Pro	Val	Pro	Lys	Gly	Ala	Thr
65				70					75					80	
Tyr	Gly	Lys	Pro	Val	His	His	Gly	Val	Asn	Gln	Leu	Lys	Phe	Ala	Arg
			85					90					95		
Ser	Leu	Gln	Ser	Val	Ala	Glu	Glu	Arg	Ala	Gly	Arg	His	Cys	Gly	Ala
			100					105					110		
Leu	Arg	Val	Leu	Asn	Ser	Tyr	Trp	Val	Gly	Glu	Asp	Ser	Thr	Tyr	Lys
		115					120					125			
Phe	Phe	Glu	Val	Ile	Leu	Ile	Asp	Pro	Phe	His	Lys	Ala	Ile	Arg	Arg

130	135	140
Asn Pro Asp Thr Gln Trp Ile Thr Lys Pro Val His Lys His Arg Glu		
145	150	155
Met Arg Gly Leu Thr Ser Ala Gly Arg Lys Ser Arg Gly Leu Gly Lys		
	165	170
Gly His Lys Phe His His Thr Ile Gly Gly Ser Arg Arg Ala Ala Trp		175
	180	185
Arg Arg Arg Asn Thr Leu Gln Leu His Arg Tyr Arg		190
195	200	

<210> 7999
 <211> 306
 <212> PRT
 <213> Homo sapiens

<400> 7999

Met Ala Asp Asp Val Asp Gln Gln Gln Thr Thr Asn Thr Val Glu Glu	
1	5
Pro Leu Asp Leu Ile Arg Leu Ser Leu Asp Glu Arg Ile Tyr Val Lys	10
	20
Met Arg Asn Asp Arg Glu Leu Arg Gly Arg Leu His Ala Tyr Asp Gln	25
	30
	35
His Leu Asn Met Ile Leu Gly Asp Val Glu Glu Thr Val Thr Thr Ile	40
	45
	50
Glu Ile Asp Glu Glu Thr Tyr Glu Glu Ile Tyr Lys Ser Thr Lys Arg	55
65	60
	70
Asn Ile Pro Met Leu Phe Val Arg Gly Asp Gly Val Val Leu Val Ala	75
	80
	85
Pro Pro Leu Arg Val Gly	90
	95
	100

<210> 8000
 <211> 573
 <212> PRT
 <213> Homo sapiens

<400> 8000

Met Gln Thr Ile Lys Cys Val Val Val Gly Asp Gly Ala Val Gly Lys	
1	5
Thr Cys Leu Leu Ile Ser Tyr Thr Thr Asn Lys Phe Pro Ser Glu Tyr	10
	20
	25
Val Pro Thr Val Phe Asp Asn Tyr Ala Val Thr Val Met Ile Gly Gly	30
	35
	40
Glu Pro Tyr Thr Leu Gly Leu Phe Asp Thr Ala Gly Gln Glu Asp Tyr	45
	50
	55
Asp Arg Leu Arg Pro Leu Ser Tyr Pro Gln Thr Asp Val Phe Leu Val	60
65	70
	75
Cys Phe Ser Val Val Ser Pro Ser Ser Phe Glu Asn Val Lys Glu Lys	80
	85
	90
Trp Val Pro Glu Ile Thr His His Cys Pro Lys Thr Pro Phe Leu Leu	95
	100
	105
Val Gly Thr Gln Ile Asp Leu Arg Asp Asp Pro Ser Thr Ile Glu Lys	110
	115
	120
Leu Ala Lys Asn Lys Gln Lys Pro Ile Thr Pro Glu Thr Ala Glu Lys	125

130 135 140
 Leu Ala Arg Asp Leu Lys Ala Val Lys Tyr Val Glu Cys Ser Ala Leu
 145 150 155 160
 Thr Gln Lys Gly Leu Lys Asn Val Phe Asp Glu Ala Ile Leu Ala Ala
 165 170 175
 Leu Glu Pro Pro Glu Pro Lys Lys Ser Arg Arg Cys Val Leu Leu
 180 185 190

<210> 8001
 <211> 573
 <212> PRT
 <213> Homo sapiens

<400> 8001
 Met Gln Thr Ile Lys Cys Val Val Val Gly Xaa Gly Ala Val Gly Lys
 1 5 10 15
 Thr Cys Leu Leu Ile Ser Tyr Thr Thr Xaa Lys Phe Pro Ser Glu Tyr
 20 25 30
 Val Pro Ala Val Phe Asp Asn Tyr Ala Val Thr Val Met Ile Gly Gly
 35 40 45
 Glu Pro Tyr Thr Leu Gly Leu Phe Asp Thr Ala Gly Gln Glu Asp Tyr
 50 55 60
 Asp Arg Leu Arg Pro Leu Ser Tyr Pro Gln Thr Asp Val Phe Leu Val
 65 70 75 80
 Cys Phe Ser Val Val Ser Pro Ser Ser Phe Glu Asn Val Lys Glu Lys
 85 90 95
 Trp Val Pro Glu Ile Thr His His Cys Pro Lys Thr Pro Phe Leu Leu
 100 105 110
 Val Gly Thr Gln Ile Asp Leu Arg Asp Asp Pro Ser Thr Ile Glu Lys
 115 120 125
 Leu Ala Lys Asn Lys Gln Lys Pro Ile Thr Pro Glu Thr Ala Glu Lys
 130 135 140
 Leu Ala Arg Asp Leu Lys Ala Val Lys Tyr Val Glu Cys Ser Ala Leu
 145 150 155 160
 Thr Gln Lys Gly Leu Lys Asn Val Phe Asp Glu Ala Ile Leu Ala Ala
 165 170 175
 Leu Glu Pro Pro Glu Pro Lys Lys Ser Arg Arg Cys Val Leu Leu
 180 185 190

<210> 8002
 <211> 309
 <212> PRT
 <213> Homo sapiens

<400> 8002
 Met Ser Arg Gly Ser Ser Ala Gly Phe Asp Arg His Ile Thr Ile Phe
 1 5 10 15
 Ser Xaa Glu Gly Arg Leu Xaa Gln Val Glu Tyr Ala Phe Lys Ala Ile
 20 25 30
 Asn Gln Gly Gly Leu Thr Ser Val Ala Val Arg Gly Lys Asp Cys Ala
 35 40 45
 Xaa Ile Val Thr Gln Lys Lys Val Pro Asp Lys Leu Leu Asp Ser Ser
 50 55 60
 Thr Val Thr His Leu Phe Lys Ile Thr Glu Asn Ile Gly Cys Val Met

65 70 75 80
 Thr Gly Met Thr Ala Asp Ser Arg Ser Gln Val Ile Ser Val Leu Met
 85 90 95
 Asn Leu Lys Ala Ile Asp Leu
 100

<210> 8003
 <211> 336
 <212> PRT
 <213> Homo sapiens

<400> 8003
 Met Ala Ala Pro Glu Glu His Asp Ser Pro Thr Glu Ala Ser Gln Pro
 1 5 10 15
 Ile Val Glu Glu Glu Glu Thr Lys Thr Phe Lys Asp Leu Gly Val Thr
 20 25 30
 Asp Val Leu Cys Glu Ala Cys Asp Gln Leu Gly Trp Thr Lys Pro Thr
 35 40 45
 Lys Ile Gln Ile Glu Ala Ile Pro Leu Ala Leu Gln Gly Arg Asp Ile
 50 55 60
 Ile Gly Leu Ala Glu Thr Gly Ser Gly Lys Thr Gly Ala Phe Ala Leu
 65 70 75 80
 Pro Ile Leu Asn Ala Leu Leu Glu Thr Pro Gln Arg Leu Phe Ala Leu
 85 90 95
 Val Leu Thr Pro Thr Arg Glu Leu Ala Phe Gln Ile Ser Glu Pro Val
 100 105 110

<210> 8004
 <211> 390
 <212> PRT
 <213> Homo sapiens

<400> 8004
 Met Ala Met Glu Met Arg Leu Pro Val Ala Arg Lys Pro Leu Ser Glu
 1 5 10 15
 Arg Leu Gly Arg Asp Thr Lys Lys His Leu Val Val Pro Gly Asp Thr
 20 25 30
 Ile Thr Thr Asp Thr Gly Phe Met Arg Gly His Gly Thr Tyr Met Gly
 35 40 45
 Glu Glu Lys Leu Ile Ala Ser Val Ala Gly Ser Val Glu Arg Val Asn
 50 55 60
 Lys Xaa Ile Cys Val Lys Ala Leu Lys Thr Arg Tyr Ile Gly Glu Val
 65 70 75 80
 Xaa Asp Ile Val Val Gly Arg Ile Thr Glu Val Gln Gln Lys Arg Trp
 85 90 95
 Lys Val Glu Thr Asn Ser Arg Leu Asp Ser Val Leu Leu Leu Ser Ser
 100 105 110
 Met Asn Leu Pro Gly Gly Glu Leu Arg Arg Asp Leu Gln Lys Met Ser
 115 120 125
 Leu Gln
 130

<210> 8005
 <211> 405

<212> PRT
 <213> Homo sapiens

<400> 8005

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Met Ala Gly His Pro Lys Glu Arg Val Val Thr Asp Glu Val His Gln
1          5          10          15
Asn Gln Ile Leu Arg Glu Leu Tyr Leu Lys Glu Leu Arg Thr Gln Lys
          20          25          30
Leu His Thr Gln Tyr His Val Asn Pro Leu Arg Lys Val His Arg Ile
          35          40          45
Thr Arg Lys Pro Met Ser Trp His Asp Asn Leu Glu Glu Pro Ala Asp
          50          55          60
Ala Arg Phe Leu Asn Leu Ile His His Ala Ala Gln Gly Pro Thr Lys
65          70          75          80
Lys Tyr Pro Glu Ala Gln Thr Glu Asn Gln Glu Ile Gly Trp Asp Ser
          85          90          95
Glu Xaa Leu Val Asp Pro Xaa Arg Arg Asp His Arg Met Asn His Phe
          100          105          110
Arg Val Tyr Ser Asp Ile Thr Leu Tyr Lys Ala Lys Met Xaa Asp Leu
          115          120          125
Gly Glu Asp Asp Arg His Lys
          130          135

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<210> 8006
 <211> 540
 <212> PRT
 <213> Homo sapiens

<400> 8006

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Met Thr Glu Gln Met Thr Leu Arg Gly Thr Leu Lys Gly His Asn Gly
1          5          10          15
Trp Val Thr Gln Ile Ala Thr Thr Pro Gln Phe Pro Asp Met Ile Leu
          20          25          30
Ser Ala Ser Arg Asp Lys Thr Ile Ile Met Trp Lys Leu Thr Arg Asp
          35          40          45
Glu Thr Asn Tyr Gly Ile Pro Gln Arg Ala Leu Arg Gly His Ser His
          50          55          60
Phe Val Ser Asp Val Val Ile Ser Ser Asp Gly Gln Phe Ala Leu Ser
65          70          75          80
Gly Ser Trp Asp Gly Thr Leu Arg Leu Trp Asp Leu Thr Thr Gly Thr
          85          90          95
Thr Thr Arg Arg Phe Val Gly His Thr Lys Asp Val Leu Ser Val Ala
          100          105          110
Phe Ser Ser Asp Asn Arg Gln Ile Val Ser Gly Ser Arg Asp Lys Thr
          115          120          125
Ile Lys Leu Trp Asn Thr Leu Gly Val Cys Lys Tyr Thr Val Gln Asp
          130          135          140
Glu Ser His Ser Glu Trp Val Ser Cys Val Arg Phe Ser Pro Asn Ser
145          150          155          160
Ser Asn Pro Ile Ile Val Ser Cys Gly Trp Asp Lys Leu Xaa Xaa Gly
          165          170          175
Met Glu Pro Gly
          180

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<210> 8007
 <211> 327
 <212> PRT
 <213> Homo sapiens

<400> 8007
 Met Ser Ala Ala Met Arg Glu Arg Phe Asp Arg Phe Leu His Glu Lys
 1 5 10 15
 Asn Cys Met Thr Asp Leu Leu Ala Lys Leu Glu Ala Lys Thr Gly Val
 20 25 30
 Asn Arg Ser Phe Ile Ala Leu Gly Val Ile Gly Leu Val Ala Leu Tyr
 35 40 45
 Leu Val Phe Gly Tyr Gly Ala Ser Leu Leu Cys Asn Leu Ile Gly Phe
 50 55 60
 Gly Tyr Pro Ala Tyr Ile Ser Ile Lys Ala Ile Glu Ser Pro Asp Gln
 65 70 75 80
 Glu His Pro Val Pro Glu Gly Lys Lys Ile Leu Lys Gly Asp Gly Asn
 85 90 95
 Met Leu Lys Arg His Arg Ser Gln His Glu Asn Ala Trp
 100 105

<210> 8008
 <211> 369
 <212> PRT
 <213> Homo sapiens

<400> 8008
 Met Ala Lys Ile Lys Ala Arg Asp Leu Arg Gly Lys Lys Lys Glu Glu
 1 5 10 15
 Leu Leu Lys Gln Leu Asp Asp Leu Lys Val Glu Leu Ser Gln Leu Arg
 20 25 30
 Val Ala Lys Val Thr Gly Gly Ala Ala Ser Lys Leu Ser Lys Ile Arg
 35 40 45
 Val Val Arg Lys Ser Ile Ala Arg Val Leu Thr Val Ile Asn Gln Thr
 50 55 60
 Gln Lys Glu Asn Leu Arg Lys Phe Tyr Lys Gly Lys Lys Tyr Lys Pro
 65 70 75 80
 Leu Asp Leu Arg Pro Lys Lys Thr Arg Ala Met Arg Arg Arg Leu Asn
 85 90 95
 Lys His Glu Glu Asn Leu Lys Thr Lys Lys Gln Gln Arg Lys Glu Arg
 100 105 110
 Leu Tyr Pro Leu Arg Lys Tyr Ala Val Lys Ala
 115 120

<210> 8009
 <211> 360
 <212> PRT
 <213> Homo sapiens

<400> 8009
 Met Trp Ala Ser Glu Leu Arg Gly Pro Gly Cys Ala Asp Ser Leu Asn
 1 5 10 15
 Ala Ala Leu Ala His Ser Pro Leu Arg Asn Arg Gln Cys Arg Gly Phe
 20 25 30

Pro Gly Gly Gly His Ser Ile Gln Pro Leu Tyr Thr Pro Arg Ala Pro
 35 40 45
 Ala Ala Ala Pro Pro Pro Pro His Lys Met Ala Ala Pro Ile Glu Glu
 50 55 60
 Thr Ala Ala Ala Ser Pro Ala Pro Phe Cys Gly Arg Arg Glu Ile Cys
 65 70 75 80
 Gln His Gly Lys Pro Leu Leu Arg Met His Pro Ser Leu Glu Thr Pro
 85 90 95
 Leu Lys Gly Trp Ser Leu Gly Asp His Ile Lys Arg Lys Met Pro Thr
 100 105 110
 Thr Ser Thr Thr Ser Thr Arg Phe
 115 120

<210> 8010
 <211> 369
 <212> PRT
 <213> Homo sapiens

<400> 8010
 Met Gly Ala Pro Gly Gly Lys Ile Asn Arg Pro Arg Thr Glu Leu Lys
 1 5 10 15
 Lys Lys Leu Phe Lys Arg Arg Arg Val Leu Asn Arg Glu Arg Arg Leu
 20 25 30
 Arg His Arg Val Val Gly Ala Val Ile Asp Gln Gly Leu Ile Thr Arg
 35 40 45
 His His Leu Lys Lys Arg Ala Ser Ser Ala Arg Ala Asn Ile Thr Leu
 50 55 60
 Ser Gly Lys Lys Arg Arg Lys Leu Leu Gln Gln Ile Arg Leu Ala Gln
 65 70 75 80
 Lys Glu Lys Thr Ala Met Glu Val Glu Ala Pro Ser Lys Pro Ala Arg
 85 90 95
 Thr Ser Glu Pro Gln Leu Lys Arg Gln Lys Lys Thr Lys Ala Pro Gln
 100 105 110
 Asp Val Glu Met Lys Asp Leu Glu Asp Glu Ser
 115 120

<210> 8011
 <211> 339
 <212> PRT
 <213> Homo sapiens

<400> 8011
 Met Thr Val Lys Thr Glu Ala Ala Lys Gly Thr Leu Thr Tyr Ser Arg
 1 5 10 15
 Met Arg Gly Met Val Ala Ile Leu Ile Ala Phe Met Lys Gln Arg Arg
 20 25 30
 Met Gly Leu Asn Asp Phe Ile Gln Lys Ile Ala Asn Asn Ser Tyr Ala
 35 40 45
 Cys Lys His Pro Glu Val Gln Ser Ile Leu Lys Ile Ser Gln Pro Gln
 50 55 60
 Glu Pro Glu Leu Met Asn Ala Asn Pro Ser Pro Pro Pro Ser Pro Ser
 65 70 75 80
 Gln Gln Ile Asn Leu Gly Pro Ser Ser Asn Pro His Ala Lys Pro Ser
 85 90 95

Asp Phe His Phe Leu Lys Val Ile Gly Lys Gly Ser Leu Glu Arg Phe
 100 105 110
 Phe

<210> 8012
 <211> 357
 <212> PRT
 <213> Homo sapiens

<400> 8012
 Met Ala Ser Gly Leu Val Arg Leu Leu Gln Gln Gly His Arg Cys Leu
 1 5 10 15
 Leu Ala Pro Val Ala Pro Lys Leu Val Pro Pro Val Arg Gly Val Lys
 20 25 30
 Lys Gly Phe Arg Ala Ala Phe Arg Phe Gln Lys Glu Leu Glu Arg Gln
 35 40 45
 Arg Leu Leu Arg Cys Pro Pro Pro Pro Val Arg Arg Ser Glu Lys Pro
 50 55 60
 Asn Trp Asp Tyr His Ala Glu Ile Gln Ala Phe Gly His Arg Leu Gln
 65 70 75 80
 Glu Asn Phe Ser Leu Asp Leu Leu Lys Thr Ala Phe Val Asn Ser Cys
 85 90 95
 Tyr Ile Lys Ser Glu Glu Ala Lys Arg Gln Gln Leu Gly Ile Gly Glu
 100 105 110
 Arg Ser Cys Ser Ser Glu Ser
 115

<210> 8013
 <211> 342
 <212> PRT
 <213> Homo sapiens

<400> 8013
 Met Pro Asp Tyr Leu Gly Ala Asp Gln Arg Lys Thr Lys Glu Asp Glu
 1 5 10 15
 Lys Asp Asp Lys Pro Ile Arg Ala Leu Asp Glu Gly Asp Ile Ala Leu
 20 25 30
 Leu Lys Thr Tyr Gly Gln Ser Thr Tyr Ser Arg Gln Ile Lys Gln Val
 35 40 45
 Glu Asp Asp Ile Gln Gln Leu Lys Lys Ile Asn Glu Leu Thr Gly
 50 55 60
 Ile Lys Glu Ser Asp Thr Gly Leu Ala Pro Pro Ala Leu Trp Asp Leu
 65 70 75 80
 Ala Ala Asp Lys Gln Thr Leu Gln Ser Glu Gln Pro Leu Gln Val Ala
 85 90 95
 Arg Cys Thr Lys Ile Ile Asn Ala Asp Ser Glu Asp Gln Asn Thr Leu
 100 105 110
 Ser Thr

<210> 8014
 <211> 327
 <212> PRT
 <213> Homo sapiens

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<400> 8014

Met Ala Ala Ser Ala Ala Arg Gly Ala Ala Ala Leu Arg Arg Ser Ile
 1 5 10 15
 Asn Gln Pro Val Ala Phe Val Arg Arg Ile Pro Trp Thr Ala Ala Ser
 20 25 30
 Ser Gln Leu Lys Glu His Phe Ala Gln Phe Gly His Val Arg Arg Cys
 35 40 45
 Ile Leu Pro Phe Asp Lys Glu Thr Gly Phe His Arg Gly Leu Gly Trp
 50 55 60
 Val Gln Phe Ser Ser Glu Glu Gly Leu Arg Asn Ala Leu Gln Gln Glu
 65 70 75 80
 Asn His Ile Ile Asp Gly Val Lys Val Gln Val His Thr Arg Arg Pro
 85 90 95
 Lys Leu Pro Gln Thr Ser Asp Asp Glu Lys Lys Asp Phe
 100 105

<210> 8015

<211> 393

<212> PRT

<213> Homo sapiens

<400> 8015

Met Ala Pro Lys Gly Ser Ser Lys Gln Gln Ser Glu Glu Asp Leu Leu
 1 5 10 15
 Leu Gln Asp Phe Ser Arg Asn Leu Ser Ala Lys Ser Ser Ala Leu Phe
 20 25 30
 Phe Gly Asn Ala Phe Ile Val Ser Ala Ile Pro Ile Trp Leu Tyr Trp
 35 40 45
 Arg Ile Trp His Met Asp Leu Ile Gln Ser Ala Val Leu Tyr Ser Val
 50 55 60
 Met Thr Leu Val Ser Thr Tyr Leu Val Ala Phe Ala Tyr Lys Asn Val
 65 70 75 80
 Lys Phe Val Leu Lys His Lys Val Ala Gln Lys Arg Glu Asp Ala Val
 85 90 95
 Ser Lys Glu Val Thr Arg Lys Leu Ser Glu Ala Asp Asn Arg Lys Met
 100 105 110
 Ser Arg Lys Glu Lys Asp Glu Arg Ile Leu Trp Lys Lys Asn Glu Val
 115 120 125
 Ala Ala Leu
 130

<210> 8016

<211> 315

<212> PRT

<213> Homo sapiens

<400> 8016

Met Ala Leu Arg Tyr Pro Met Ala Val Gly Leu Asn Lys Gly His Lys
 1 5 10 15
 Val Thr Lys Asn Val Ser Lys Pro Arg His Ser Arg Arg Arg Gly Arg
 20 25 30
 Leu Thr Lys His Thr Lys Phe Val Arg Asp Met Ile Arg Glu Val Cys
 35 40 45
 Gly Phe Ala Pro Tyr Glu Arg Arg Ala Met Glu Leu Leu Lys Val Ser

50 55 60
 Lys Asp Lys Arg Ala Leu Lys Phe Ile Lys Lys Arg Val Gly Thr His
 65 70 75 80
 Ile Arg Ala Lys Arg Lys Arg Glu Glu Leu Ser Asn Val Leu Ala Ala
 85 90 95
 Met Arg Lys Ala Ala Ala Lys Lys Asp
 100 105

<210> 8017
 <211> 315
 <212> PRT
 <213> Homo sapiens

<400> 8017
 Met Ala Asp Glu Glu Glu Asp Pro Thr Phe Glu Glu Glu Asn Glu Glu
 1 5 10 15
 Ile Gly Gly Gly Ala Glu Gly Gly Gln Gly Lys Arg Lys Arg Leu Phe
 20 25 30
 Ser Lys Glu Leu Arg Cys Met Met Tyr Gly Phe Gly Asp Asp Gln Asn
 35 40 45
 Pro Tyr Thr Glu Ser Val Asp Ile Leu Glu Asp Leu Val Ile Glu Phe
 50 55 60
 Ile Thr Glu Met Thr His Lys Ala Met Ser Ile Gly Arg Gln Gly Arg
 65 70 75 80
 Val Gln Val Glu Asp Ile Val Phe Leu Ile Arg Lys Xaa Pro Arg Lys
 85 90 95
 Phe Ala Arg Leu Lys Thr Cys Leu Leu
 100 105

<210> 8018
 <211> 336
 <212> PRT
 <213> Homo sapiens

<400> 8018
 Met Ser Gly Cys Arg Val Phe Ile Gly Arg Leu Asn Pro Ala Ala Arg
 1 5 10 15
 Glu Lys Asp Val Glu Arg Phe Phe Lys Gly Tyr Gly Arg Ile Arg Asp
 20 25 30
 Ile Asp Leu Lys Arg Gly Phe Gly Phe Val Glu Phe Glu Asp Pro Arg
 35 40 45
 Asp Ala Asp Asp Ala Val Tyr Glu Leu Asp Gly Lys Glu Leu Cys Ser
 50 55 60
 Glu Arg Val Thr Ile Glu His Ala Arg Ala Arg Ser Arg Gly Gly Arg
 65 70 75 80
 Gly Arg Gly Arg Tyr Ser Asp Arg Phe Ser Ser Arg Arg Pro Arg Asn
 85 90 95
 Asp Arg Arg Asn Xaa Xaa Thr Cys Lys Asn Arg Lys Ser Ser Tyr Ser
 100 105 110

<210> 8019
 <211> 309
 <212> PRT
 <213> Homo sapiens

<400> 8019

Met Asp Ala Gln Cys Ser Ala Lys Val Asn Ala Arg Lys Arg Arg Lys
 1 5 10 15
 Glu Ala Pro Gly Pro Asn Gly Ala Thr Glu Glu Asp Gly Val Pro Ser
 20 25 30
 Lys Val Gln Arg Cys Ala Val Gly Leu Arg Gln Pro Ala Pro Phe Ser
 35 40 45
 Asp Glu Ile Glu Val Asp Phe Ser Lys Pro Tyr Val Arg Val Thr Met
 50 55 60
 Glu Glu Ala Ser Arg Gly Thr Pro Cys Glu Arg Pro Val Arg Val Tyr
 65 70 75 80
 Ala Asp Gly Ile Phe Asp Leu Phe His Ser Gly His Ala Arg Ala Leu
 85 90 95
 Met Gln Ala Arg Thr Phe Ser
 100

<210> 8020

<211> 333

<212> PRT

<213> Homo sapiens

<400> 8020

Met Ala Gly Lys Gln Ala Val Ser Ala Ser Gly Lys Trp Leu Asp Gly
 1 5 10 15
 Ile Arg Lys Trp Tyr Tyr Asn Ala Ala Gly Phe Asn Lys Leu Gly Leu
 20 25 30
 Met Arg Asp Asp Thr Ile Tyr Glu Asp Glu Asp Val Lys Glu Ala Ile
 35 40 45
 Arg Arg Leu Pro Glu Asn Leu Tyr Asn Asp Arg Met Phe Arg Ile Lys
 50 55 60
 Arg Ala Leu Asp Leu Asn Leu Lys His Gln Ile Leu Pro Lys Glu Gln
 65 70 75 80
 Trp Thr Lys Tyr Glu Glu Glu Asn Phe Tyr Leu Glu Pro Tyr Leu Lys
 85 90 95
 Glu Val Ile Arg Glu Arg Lys Glu Arg Glu Glu Trp Ala Lys Lys
 100 105 110

<210> 8021

<211> 453

<212> PRT

<213> Homo sapiens

<400> 8021

Met Ala Pro Arg Lys Gly Lys Glu Lys Lys Glu Glu Gln Val Ile Ser
 1 5 10 15
 Leu Gly Pro Gln Val Ala Glu Gly Glu Asn Val Phe Gly Val Cys His
 20 25 30
 Ile Phe Ala Ser Phe Asn Asp Thr Phe Val His Val Thr Asp Leu Ser
 35 40 45
 Gly Lys Glu Thr Ile Cys Arg Val Thr Gly Gly Met Lys Val Lys Ala
 50 55 60
 Asp Arg Asp Glu Ser Ser Pro Tyr Ala Ala Met Leu Ala Ala Gln Asp
 65 70 75 80

Val Ala Gln Arg Cys Lys Glu Leu Gly Ile Thr Ala Leu His Ile Lys
85 90 95
Leu Arg Ala Thr Gly Gly Asn Arg Thr Lys Thr Pro Gly Pro Gly Ala
100 105 110
Gln Ser Ala Leu Arg Ala Leu Ala Arg Ser Gly Met Lys Ile Gly Arg
115 120 125
Ile Glu Asp Val Thr Pro Ile Pro Ser Asp Ser Thr Arg Arg Lys Gly
130 135 140
Gly Arg Arg Gly Arg Arg Leu
145 150

<210> 8022
<211> 540
<212> PRT
<213> Homo sapiens

<400> 8022
Met Leu Pro Ala Val Gly Ser Xaa Asp Glu Glu Glu Asp Pro Ala Glu
1 5 10 15
Glu Asp Cys Pro Glu Leu Val Pro Ile Glu Thr Thr Gln Ser Glu Glu
20 25 30
Glu Glu Lys Ser Gly Leu Gly Ala Lys Ile Pro Val Thr Ile Ile Thr
35 40 45
Gly Tyr Leu Gly Ala Gly Lys Thr Thr Leu Leu Asn Tyr Ile Leu Thr
50 55 60
Glu Gln His Ser Lys Arg Val Ala Val Ile Leu Asn Glu Xaa Gly Glu
65 70 75 80
Gly Ser Ala Leu Glu Lys Ser Leu Ala Val Ser Gln Gly Gly Glu Leu
85 90 95
Tyr Glu Glu Trp Leu Glu Leu Arg Asn Gly Cys Leu Cys Cys Ser Val
100 105 110
Lys Asp Asn Gly Leu Arg Ala Ile Glu Asn Leu Met Gln Lys Lys Gly
115 120 125
Lys Phe Asp Asp Ile Leu Leu Glu Thr Thr Gly Leu Ala Asp Pro Gly
130 135 140
Ala Val Thr Ser Met Phe Trp Val Asp Ala Glu Leu Gly Ser Asp Ile
145 150 155 160
Tyr Leu Asp Gly Ile Ile Thr Ile Val Xaa Ser Lys Tyr Gly Leu Lys
165 170 175
Val Lys Tyr His
180

<210> 8023
<211> 480
<212> PRT
<213> Homo sapiens

<400> 8023
Met Lys Val His Phe Leu Ile Leu Ser Thr Ser Cys Asp Lys Phe Gln
1 5 10 15
Phe Leu Phe Lys Ser Ile Glu Leu Lys Ser Pro Cys Cys Phe Glu Ile
20 25 30
Leu Glu Glu Ser Pro Leu Ile Gln Gly Thr Leu Thr Val Gly Ala Thr
35 40 45

Ala Gly Ser Ile Thr Met Lys Arg Leu Val Cys Val Leu Leu Val Cys
 50 55 60
 Ser Ser Ala Val Ala Gln Leu His Lys Asp Pro Thr Leu Asp His His
 65 70 75 80
 Trp His Leu Trp Lys Lys Thr Tyr Gly Lys Gln Tyr Lys Glu Lys Asn
 85 90 95
 Glu Glu Ala Val Arg Arg Leu Ile Trp Glu Lys Asn Leu Lys Phe Val
 100 105 110
 Met Leu His Asn Leu Glu His Ser Met Gly Xaa His Ser Tyr Asp Leu
 115 120 125
 Gly Met Asn His Leu Gly Asp Met Thr Ser Glu Glu Val Met Ser Leu
 130 135 140
 Met Ser Ser Leu Arg Val Pro Ser Gln Trp Gln Arg Lys Tyr His Ile
 145 150 155 160

<210> 8024
 <211> 312
 <212> PRT
 <213> Homo sapiens

<400> 8024
 Met Ser His Thr Ile Leu Leu Val Gln Pro Thr Lys Arg Pro Glu Gly
 1 5 10 15
 Arg Thr Tyr Ala Asp Tyr Glu Ser Val Asn Glu Cys Met Glu Gly Val
 20 25 30
 Cys Lys Met Tyr Glu Glu His Leu Lys Arg Met Asn Pro Asn Ser Pro
 35 40 45
 Ser Ile Thr Tyr Asp Ile Ser Gln Leu Phe Asp Phe Ile Asp Asp Leu
 50 55 60
 Ala Asp Leu Ser Cys Leu Val Tyr Arg Ala Asp Thr Gln Thr Tyr Gln
 65 70 75 80
 Pro Tyr Asn Lys Asp Trp Ile Lys Glu Lys Ile Tyr Val Leu Leu Arg
 85 90 95
 Arg Gln Ala Gln Gln Ala Gly Lys
 100

<210> 8025
 <211> 447
 <212> PRT
 <213> Homo sapiens

<400> 8025
 Met Thr Glu Pro Gly Ala Ser Pro Glu Asp Pro Trp Val Lys Val Glu
 1 5 10 15
 Tyr Ala Tyr Ser Asp Asn Ser Leu Asp Pro Asp Asp Glu Asp Ser Asp
 20 25 30
 Tyr His Gln Glu Ala Tyr Lys Glu Ser Tyr Lys Asp Arg Arg Arg Arg
 35 40 45
 Ala His Thr Gln Ala Glu Gln Lys Arg Arg Asp Ala Ile Lys Arg Gly
 50 55 60
 Tyr Asp Asp Leu Gln Thr Ile Val Pro Thr Cys Gln Gln Gln Asp Phe
 65 70 75 80
 Ser Ile Gly Ser Gln Lys Leu Ser Lys Ala Ile Val Leu Gln Lys Thr
 85 90 95

Ile Asp Tyr Ile Gln Phe Leu His Lys Glu Lys Lys Lys Gln Glu Glu
 100 105 110
 Glu Val Ser Thr Leu Arg Lys Asp Val Thr Ala Leu Lys Ile Met Lys
 115 120 125
 Val Asn Tyr Glu Gln Ile Val Lys Ala His Gln Asp Asn Pro Met Lys
 130 135 140
 Gly Arg Thr Gly Leu
 145

<210> 8026
 <211> 306
 <212> PRT
 <213> Homo sapiens

<400> 8026
 Met Val Arg Tyr Arg Val Arg Ser Leu Ser Glu Arg Ser His Glu Val
 1 5 10 15
 Tyr Arg Gln Gln Leu His Gly Gln Glu Gln Gly His His Gly Gln Glu
 20 25 30
 Glu Gln Gly Leu Ser Pro Glu His Val Glu Val Tyr Glu Arg Thr His
 35 40 45
 Gly Gln Ser His Tyr Arg Arg Arg His Cys Ser Arg Arg Arg Leu His
 50 55 60
 Arg Ile His Arg Arg Gln Ile Ala Pro Ala Glu Gly Ala Lys Asp Ala
 65 70 75 80
 Pro Ala Gly Thr Gly Xaa Gly Ile Ala Glu Ala Ala Glu Pro Gly Arg
 85 90 95
 Glu His Ala Glu Gly His
 100

<210> 8027
 <211> 789
 <212> PRT
 <213> Homo sapiens

<400> 8027
 Met Ala Arg Gly Pro Lys Lys His Leu Lys Arg Val Ala Ala Pro Lys
 1 5 10 15
 His Trp Met Leu Asp Lys Leu Thr Gly Val Phe Ala Pro Arg Pro Ser
 20 25 30
 Thr Gly Pro His Lys Leu Arg Glu Cys Leu Pro Leu Ile Ile Phe Leu
 35 40 45
 Arg Asn Arg Leu Lys Tyr Ala Leu Thr Gly Asp Glu Val Lys Lys Ile
 50 55 60
 Cys Met Gln Arg Phe Ile Lys Ile Asp Gly Lys Val Arg Thr Asp Ile
 65 70 75 80
 Thr Tyr Pro Ala Gly Phe Met Asp Val Ile Ser Ile Asp Lys Thr Gly
 85 90 95
 Glu Asn Phe Arg Leu Ile Tyr Asp Thr Lys Gly Arg Phe Ala Val His
 100 105 110
 Arg Ile Thr Pro Glu Glu Ala Lys Tyr Lys Leu Cys Lys Val Arg Lys
 115 120 125
 Ile Phe Val Gly Thr Lys Gly Ile Pro His Leu Val Thr His Asp Ala
 130 135 140

Arg Thr Ile Arg Tyr Pro Asp Pro Leu Ile Lys Val Asn Asp Thr Ile
 145 150 155 160
 Gln Ile Asp Leu Glu Thr Gly Lys Ile Thr Asp Phe Ile Lys Phe Asp
 165 170 175
 Thr Gly Asn Leu Cys Met Val Thr Gly Gly Ala Asn Leu Gly Arg Ile
 180 185 190
 Gly Val Ile Thr Asn Arg Glu Arg His Pro Gly Ser Phe Asp Val Val
 195 200 205
 His Val Lys Asp Ala Asn Gly Asn Ser Phe Ala Thr Arg Leu Ser Asn
 210 215 220
 Ile Phe Val Ile Gly Lys Gly Asn Lys Pro Trp Ile Ser Leu Pro Arg
 225 230 235 240
 Gly Lys Gly Ile Arg Leu Thr Ile Ala Glu Glu Arg Asp Lys Arg Leu
 245 250 255
 Ala Ala Lys Gln Ser Ser Gly
 260

<210> 8028
 <211> 630
 <212> PRT
 <213> Homo sapiens

<400> 8028
 Met Val Leu Ala Gly Asp Glu Val Lys Lys Ile Xaa Met Gln Arg Phe
 1 5 10 15
 Ile Lys Ile Asp Gly Lys Val Arg Thr Asp Ile Thr Tyr Pro Ala Gly
 20 25 30
 Phe Met Asp Val Ile Ser Ile Asp Lys Thr Gly Glu Asn Phe Arg Leu
 35 40 45
 Ile Tyr Asp Thr Lys Gly Arg Phe Ala Val His Arg Ile Thr Pro Glu
 50 55 60
 Glu Ala Lys Tyr Lys Leu Cys Lys Val Arg Lys Ile Phe Val Gly Thr
 65 70 75 80
 Lys Gly Ile Pro His Leu Val Thr His Asp Ala Arg Thr Ile Arg Tyr
 85 90 95
 Pro Asp Pro Leu Ile Lys Val Asn Asp Thr Ile Gln Ile Asp Leu Glu
 100 105 110
 Thr Gly Lys Ile Thr Asp Phe Ile Lys Phe Asp Thr Gly Asn Leu Cys
 115 120 125
 Met Val Thr Gly Gly Ala Asn Leu Gly Arg Ile Gly Val Ile Thr Asn
 130 135 140
 Arg Glu Arg His Pro Gly Ser Phe Asp Val Val His Val Lys Asp Ala
 145 150 155 160
 Asn Gly Asn Ser Phe Ala Thr Arg Leu Ser Asn Ile Phe Val Ile Gly
 165 170 175
 Lys Gly Asn Lys Pro Trp Ile Ser Leu Pro Arg Gly Lys Gly Ile Arg
 180 185 190
 Leu Thr Ile Ala Glu Glu Arg Asp Lys Arg Leu Ala Ala Lys Gln Ser
 195 200 205
 Ser Gly
 210

<210> 8029
 <211> 420

<212> PRT

<213> Homo sapiens

<400> 8029

Met Val Pro Trp Xaa Pro Val Val His Leu Pro Gly Gln Pro Gln Arg
1 5 10 15
Met Met Gly Pro Leu Ser Gln Ala Ser Arg Tyr Ile Gly Pro Gln Asn
20 25 30
Phe Tyr Gln Val Lys Asp Ile Arg Arg Pro Glu Arg Arg His Ser Asp
35 40 45
Pro Trp Gly Arg Gln Asp Gln Gln Gln Leu Asp Arg Pro Phe Asn Arg
50 55 60
Gly Lys Gly Asp Arg Gln Arg Phe Tyr Ser Asp Ser His His Leu Lys
65 70 75 80
Arg Glu Arg His Glu Lys Glu Trp Glu Gln Glu Ser Glu Arg His Arg
85 90 95
Arg Arg Asp Arg Ser Xaa Asp Arg Thr Glu Thr Glu Lys Ala Gly Arg
100 105 110
Lys Gly Thr Lys Ile Lys Arg Gly His Gly Tyr His Met Val Ile Glu
115 120 125
Glu Gln Met Glu Lys Gln Ala Glu Ile Val Gly Met
130 135 140

<210> 8030

<211> 333

<212> PRT

<213> Homo sapiens

<400> 8030

Met Val Val Thr Arg Ser Ala Arg Ala Lys Ala Ser Ile Gln Ala Ala
1 5 10 15
Ser Ala Glu Ser Ser Gly Gln Lys Ser Phe Ala Ala Asn Gly Ile Gln
20 25 30
Ala His Pro Glu Ser Ser Thr Gly Ser Asp Ala Arg Thr Thr Ala Glu
35 40 45
Ser Gln Thr Thr Gly Lys Gln Ser Leu Ile Pro Arg Thr Pro Lys Ala
50 55 60
Arg Lys Arg Lys Ser Arg Thr Thr Gly Ser Leu Pro Lys Gly Thr Glu
65 70 75 80
Pro Ser Thr Asp Gly Glu Thr Ser Glu Ala Glu Ser Asn Tyr Ser Val
85 90 95
Ser Glu His Met Ile His Phe Lys Gly Thr Arg Arg Gly Arg Ser
100 105 110

<210> 8031

<211> 336

<212> PRT

<213> Homo sapiens

<400> 8031

Met Ala Val Thr Thr Arg Leu Thr Trp Leu His Glu Lys Ile Leu Gln
1 5 10 15
Asn His Phe Gly Gly Lys Arg Leu Ser Leu Leu Tyr Lys Gly Ser Val
20 25 30

His Gly Phe Arg Asn Gly Val Leu Leu Asp Arg Cys Cys Asn Gln Gly
 35 40 45
 Pro Thr Leu Thr Val Ile Tyr Ser Glu Asp His Ile Ile Gly Ala Tyr
 50 55 60
 Ala Glu Glu Ser Tyr Gln Glu Gly Lys Tyr Ala Ser Ile Ile Leu Phe
 65 70 75 80
 Ala Leu Gln Asp Thr Lys Ile Ser Glu Trp Lys Leu Gly Leu Cys Thr
 85 90 95
 Pro Glu Thr Leu Phe Cys Cys Asp Val Thr Lys Tyr Asn Ser Pro Thr
 100 105 110

<210> 8032
 <211> 384
 <212> PRT
 <213> Homo sapiens

<400> 8032
 Met Ala Gly Asn Leu Leu Ser Gly Ala Gly Arg Arg Leu Trp Asp Trp
 1 5 10 15
 Val Pro Leu Ala Cys Arg Ser Phe Ser Leu Gly Val Pro Arg Leu Ile
 20 25 30
 Gly Ile Arg Leu Thr Leu Pro Pro Pro Lys Val Val Asp Arg Trp Asn
 35 40 45
 Glu Lys Arg Ala Met Phe Gly Val Tyr Asp Asn Ile Gly Ile Leu Gly
 50 55 60
 Asn Phe Glu Lys His Pro Lys Glu Leu Ile Arg Gly Pro Ile Trp Leu
 65 70 75 80
 Arg Gly Trp Lys Gly Asn Glu Leu Gln Arg Cys Ile Arg Lys Arg Lys
 85 90 95
 Met Val Gly Ser Arg Met Phe Ala Asp Asp Leu His Asn Leu Asn Lys
 100 105 110
 Arg Ile Arg Tyr Leu Tyr Lys His Phe Asn Arg His Gly Lys Phe Arg
 115 120 125

<210> 8033
 <211> 456
 <212> PRT
 <213> Homo sapiens

<400> 8033
 Met Gly Lys Gln Lys Lys Thr Arg Lys Tyr Ala Thr Met Lys Arg Met
 1 5 10 15
 Leu Ser Leu Arg Asp Gln Arg Leu Lys Glu Lys Asp Arg Leu Lys Pro
 20 25 30
 Lys Lys Lys Glu Lys Lys Asp Pro Ser Ala Leu Lys Glu Arg Glu Val
 35 40 45
 Pro Gln His Pro Ser Cys Leu Phe Phe Gln Tyr Asn Thr Gln Leu Gly
 50 55 60
 Pro Pro Tyr His Ile Leu Val Asp Thr Asn Phe Ile Asn Phe Ser Ile
 65 70 75 80
 Lys Ala Lys Leu Asp Leu Val Gln Ser Met Met Asp Cys Leu Tyr Ala
 85 90 95
 Lys Cys Ile Pro Cys Ile Thr Asp Cys Val Xaa Xaa Glu Ile Glu Lys
 100 105 110

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Leu Gly Gln Lys Tyr Arg Val Ala Leu Arg Ile Ala Lys Asp Pro Arg
115 120 125
Phe Glu Arg Leu Pro Cys Thr His Lys Gly Thr Tyr Ala Asp Asp Cys
130 135 140
Leu Ser Thr Glu Ser Asn Ser Ala
145 150

<210> 8034
<211> 348
<212> PRT
<213> Homo sapiens

<400> 8034
Met Ser Glu Ser Leu Xaa Val Cys Asp Val Ala Glu Asp Leu Val Glu
1 5 10 15
Lys Leu Arg Lys Phe Arg Phe Arg Lys Glu Thr Asn Asn Ala Ala Ile
20 25 30
Ile Met Lys Ile Asp Lys Asp Lys Arg Leu Val Val Leu Asp Glu Glu
35 40 45
Leu Glu Gly Ile Ser Pro Asp Glu Leu Lys Asp Glu Leu Pro Glu Arg
50 55 60
Gln Pro Arg Thr Phe Ile Val Tyr Ser Tyr Lys Tyr Gln His Asp Asp
65 70 75 80
Gly Arg Val Ser Tyr Pro Leu Cys Phe Ile Phe Ser Ser Pro Val Gly
85 90 95
Cys Lys Xaa Glu Gln Gln Met Met Tyr Ala Gly Ser Lys Asn Lys Ala
100 105 110
Ser Pro Asp Ser
115

<210> 8035
<211> 387
<212> PRT
<213> Homo sapiens

<400> 8035
Met Ala Asn Lys Gly Pro Ser Tyr Gly Met Ser Arg Glu Val Gln Ser
1 5 10 15
Lys Ile Glu Lys Lys Tyr Asp Glu Glu Leu Glu Glu Arg Leu Val Glu
20 25 30
Trp Ile Ile Val Gln Cys Gly Pro Asp Val Gly Arg Pro Asp Arg Gly
35 40 45
Arg Leu Gly Phe Gln Val Trp Leu Lys Asn Gly Val Ile Leu Ser Lys
50 55 60
Leu Val Asn Ser Leu Tyr Pro Asp Gly Ser Lys Pro Val Lys Val Pro
65 70 75 80
Glu Asn Pro Pro Ser Met Val Phe Lys Gln Met Glu Gln Val Ala Gln
85 90 95
Phe Leu Lys Ala Ala Glu Asp Tyr Gly Val Ile Lys Thr Asp Met Phe
100 105 110
Gln Thr Val Asp Leu Phe Glu Xaa Lys Thr Trp Gln Gln Cys Arg Gly
115 120 125
Pro

<210> 8036
 <211> 327
 <212> PRT
 <213> Homo sapiens

<400> 8036
 Met Ala Ala Glu Glu Glu Asp Glu Val Glu Trp Val Val Glu Ser Ile
 1 5 10 15
 Ala Gly Phe Leu Arg Gly Pro Asp Trp Ser Ile Pro Ile Leu Asp Phe
 20 25 30
 Val Glu Gln Lys Cys Glu Val Phe Asp Asp Glu Glu Glu Ser Lys Leu
 35 40 45
 Thr Tyr Thr Glu Ile His Gln Glu Tyr Lys Glu Leu Val Glu Lys Leu
 50 55 60
 Leu Glu Gly Tyr Leu Lys Glu Ile Gly Ile Asn Glu Asp Gln Phe Gln
 65 70 75 80
 Glu Ala Cys Thr Ser Pro Xaa Cys Lys Asp Pro Tyr Ile Thr Gly His
 85 90 95
 Phe Ala Thr Cys Val Gly Ser Arg Arg Phe Tyr Tyr Leu
 100 105

<210> 8037
 <211> 315
 <212> PRT
 <213> Homo sapiens

<400> 8037
 Met Val Lys Gln Ile Glu Ser Lys Thr Ala Phe Gln Glu Ala Leu Asp
 1 5 10 15
 Ala Ala Gly Asp Lys Leu Val Val Val Asp Phe Ser Ala Thr Trp Cys
 20 25 30
 Gly Pro Cys Lys Met Ile Lys Pro Phe Phe His Ser Leu Ser Glu Lys
 35 40 45
 Tyr Ser Asn Val Ile Phe Leu Glu Val Asp Val Asp Asp Cys Gln Asp
 50 55 60
 Val Ala Ser Glu Cys Glu Val Lys Cys Met Pro Thr Phe Gln Phe Phe
 65 70 75 80
 Lys Lys Gly Gln Lys Val Gly Glu Phe Ser Gly Ala Asn Lys Glu Lys
 85 90 95
 Leu Glu Ala Thr Ile Asn Glu Leu Val
 100 105

<210> 8038
 <211> 396
 <212> PRT
 <213> Homo sapiens

<400> 8038
 Met Val Glu Ala Phe Cys Ala Thr Trp Lys Leu Thr Asn Ser Gln Asn
 1 5 10 15
 Phe Asp Glu Tyr Met Lys Ala Leu Gly Val Gly Phe Ala Thr Arg Gln
 20 25 30
 Val Gly Asn Val Thr Lys Pro Thr Val Ile Ile Ser Gln Glu Gly Asp
 35 40 45

Lys Val Val Ile Arg Thr Leu Ser Thr Phe Lys Asn Thr Glu Ile Ser
 50 55 60
 Phe Gln Leu Gly Glu Glu Phe Asp Glu Thr Thr Ala Xaa Tyr Arg Asn
 65 70 75 80
 Cys Lys Ser Val Val Ser Leu Asp Gly Asp Lys Leu Val His Ile Gln
 85 90 95
 Lys Trp Asp Gly Lys Glu Thr Asn Phe Val Arg Glu Ile Lys Asp Gly
 100 105 110
 Lys Met Val Met Thr Leu Thr Phe Gly Asp Val Val Ala Val Arg Xaa
 115 120 125
 Tyr Glu Xaa Ala
 130

<210> 8039
 <211> 363
 <212> PRT
 <213> Homo sapiens

<400> 8039
 Met Lys Arg Phe Tyr Leu Pro Gly Thr Ser Arg Pro Pro Ile Ile Val
 1 5 10 15
 Ser Glu Phe Arg Asn Glu Ile Tyr Asp Val Arg His Arg Ala Ala Tyr
 20 25 30
 His Pro Asp Phe Pro Thr Val Leu Thr Ala Leu Glu Ile Asp Asn Ala
 35 40 45
 Val Val Ala Asn Ser Leu Ile Asp Met Arg Gly Ile Glu Thr Val Leu
 50 55 60
 Leu Ile Lys Asn Asn Ser Val Ala Arg Ala Val Met Gln Ser Gln Lys
 65 70 75 80
 Pro Pro Lys Asn Cys Arg Glu Ala Phe Thr Ala Asp Gly Asp Gln Val
 85 90 95
 Phe Ala Gly Arg Tyr Tyr Ser Ser Glu Asn Thr Arg Pro Lys Phe Leu
 100 105 110
 Ser Arg Asp Val Asp Ser Glu Asn Lys
 115 120

<210> 8040
 <211> 414
 <212> PRT
 <213> Homo sapiens

<400> 8040
 Met Glu Thr Ser Ala Pro Arg Ala Gly Ser Gln Val Val Ala Thr Thr
 1 5 10 15
 Ala Arg His Ser Ala Ala Tyr Arg Ala Asp Pro Leu Arg Val Ser Ser
 20 25 30
 Arg Asp Lys Leu Thr Glu Met Ala Ala Ser Ser Gln Gly Asn Phe Glu
 35 40 45
 Gly Asn Phe Glu Ser Leu Asp Leu Ala Glu Phe Ala Lys Lys Gln Pro
 50 55 60
 Trp Trp Arg Xaa Cys Ser Gly Arg Asn Leu Asp Leu Gln Gln Lys Ser
 65 70 75 80
 Ile Ala Trp Gln Pro Ser Cys Ser Leu Glu Val Ser Leu Asp Gly Ala
 85 90 95

Gln Val Ser Tyr Ser Arg Arg Leu Glu Ser Trp Leu Gln Gln Leu Trp
 100 105 110
 Glu Val Asp Phe Phe Ser Phe Ser Leu Gln Thr Ile Leu Gly Thr Ser
 115 120 125
 Lys Leu Thr Gly Asn Glu Trp Arg Arg Thr
 130 135

<210> 8041
 <211> 387
 <212> PRT
 <213> Homo sapiens

<400> 8041
 Met Arg Arg Arg Gly Glu Ile Asp Met Ala Thr Glu Gly Asp Val Glu
 1 5 10 15
 Leu Glu Leu Glu Thr Glu Thr Ser Gly Pro Glu Arg Pro Pro Glu Lys
 20 25 30
 Pro Arg Lys His Asp Ser Gly Ala Ala Asp Leu Glu Arg Val Thr Asp
 35 40 45
 Tyr Ala Glu Glu Lys Glu Ile Gln Ser Ser Asn Leu Glu Thr Ala Met
 50 55 60
 Ser Val Ile Gly Asp Arg Arg Ser Arg Glu Gln Lys Ala Lys Gln Glu
 65 70 75 80
 Arg Glu Lys Glu Leu Ala Lys Val Thr Ile Lys Lys Glu Asp Leu Glu
 85 90 95
 Leu Ile Met Thr Glu Met Glu Ile Ser Arg Ala Ala Ala Glu Arg Ser
 100 105 110
 Leu Arg Glu His Met Gly Asn Val Val Glu Ala Leu Ile Ala Leu Thr
 115 120 125
 Asn

<210> 8042
 <211> 375
 <212> PRT
 <213> Homo sapiens

<400> 8042
 Met Glu Pro Asp Gly Thr Tyr Glu Pro Gly Phe Val Gly Ile Arg Phe
 1 5 10 15
 Cys Gln Glu Cys Asn Asn Met Leu Tyr Pro Lys Glu Asp Lys Glu Asn
 20 25 30
 Arg Ile Leu Leu Tyr Ala Cys Arg Asn Cys Asp Tyr Gln Gln Glu Ala
 35 40 45
 Asp Asn Ser Cys Ile Tyr Val Asn Lys Ile Thr His Glu Val Asp Glu
 50 55 60
 Leu Thr Gln Ile Ile Ala Asp Val Ser Gln Asp Pro Thr Leu Pro Arg
 65 70 75 80
 Thr Glu Asp His Pro Cys Gln Lys Cys Gly His Lys Glu Ala Val Phe
 85 90 95
 Phe Gln Ser His Ser Ala Arg Ala Glu Asp Ala Met Arg Leu Tyr Tyr
 100 105 110
 Val Cys Thr Ala Pro His Cys Gly Xaa Arg Trp Thr Glu
 115 120 125

<210> 8043
 <211> 318
 <212> PRT
 <213> Homo sapiens

<400> 8043
 Met Ala Thr Pro Gly Pro Val Ile Pro Glu Val Pro Phe Glu Pro Ser
 1 5 10 15
 Lys Pro Pro Val Ile Glu Gly Leu Ser Pro Thr Val Tyr Arg Asn Pro
 20 25 30
 Glu Ser Phe Lys Glu Lys Phe Val Arg Lys Thr Arg Glu Asn Pro Val
 35 40 45
 Val Pro Ile Gly Cys Leu Ala Thr Ala Ala Ala Leu Thr Tyr Gly Leu
 50 55 60
 Tyr Ser Phe His Arg Gly Asn Ser Gln Arg Ser Gln Leu Met Met Arg
 65 70 75 80
 Thr Arg Ile Ala Ala Gln Gly Phe Thr Val Ala Ala Ile Leu Leu Gly
 85 90 95
 Leu Ala Val Thr Ala Met Lys Ser Arg Pro
 100 105

<210> 8044
 <211> 303
 <212> PRT
 <213> Homo sapiens

<400> 8044
 Met Ala Ala Trp Ser Pro Ala Ala Ala Xaa Leu Ser Ser Ala Gly Ser
 1 5 10 15
 Ala Gly Phe His Phe Thr Ile Gly Cys Leu Pro Leu Ser Thr Glu Gly
 20 25 30
 Glu Leu Arg Val Thr Xaa Ile Leu Lys Glu Lys Phe Pro Arg Ala Thr
 35 40 45
 Ala Ile Lys Val Thr Asp Ile Ser Gly Thr Lys Arg Arg Asn Gln Arg
 50 55 60
 Asp Ala Trp Ile Ala Asp Ile Tyr Leu Xaa Pro Gln Thr Leu Thr Thr
 65 70 75 80
 Pro Trp Leu His Arg Cys Cys Cys Leu Arg Pro Trp Met Asn Phe Thr
 85 90 95
 Asp Ile Ile Leu Pro
 100

<210> 8045
 <211> 315
 <212> PRT
 <213> Homo sapiens

<400> 8045
 Met Gly Glu Arg Leu Ala Lys Ala Ser His Glu Ser Lys Ala Ser Glu
 1 5 10 15
 Ile Glu Tyr Lys Leu Gly Lys Val Asn Asp Arg Trp Gln His Leu Leu
 20 25 30
 Asp Leu Ile Ala Ala Arg Val Lys Lys Leu Lys Glu Thr Leu Val Ala
 35 40 45

Val Gln Gln Leu Asp Lys Asn Met Ser Ser Leu Arg Thr Trp Leu Ala
 50 55 60
 His Ile Glu Ser Glu Leu Ala Lys Pro Ile Val Tyr Asp Ser Cys Asn
 65 70 75 80
 Ser Glu Glu Ile Gln Arg Trp Ile Cys Ser Ser Leu Ile Leu Asn Ile
 85 90 95
 Phe Leu Ser Val Met Phe Lys Leu Lys
 100 105

<210> 8046
 <211> 303
 <212> PRT
 <213> Homo sapiens

<400> 8046
 Met Asp Arg Arg Asn Asp Tyr Gly Tyr Arg Val Pro Leu Phe Gln Gly
 1 5 10 15
 Pro Leu Pro Pro Pro Gly Ser Leu Gly Leu Pro Phe Pro Pro Asp Ile
 20 25 30
 Gln Thr Glu Thr Thr Glu Glu Asp Ser Val Leu Leu Met His Thr Leu
 35 40 45
 Leu Ala Ala Thr Lys Asp Ser Leu Ala Met Asp Pro Pro Val Val Asn
 50 55 60
 Arg Pro Lys Lys Ser Xaa Thr Lys Lys Ala Pro Ile Lys Thr Ile Thr
 65 70 75 80
 Xaa Xaa Ala Pro Ala Ala Pro Pro Val Gln Leu Pro Met Arg Leu Pro
 85 90 95
 Pro Thr Ser Pro Lys
 100

<210> 8047
 <211> 366
 <212> PRT
 <213> Homo sapiens

<400> 8047
 Met Lys Pro Glu Met Trp Gly Lys Cys Leu Asp Cys Ile Asn Glu Leu
 1 5 10 15
 Met Asp Ile Leu Phe Ala Asn Pro Asn Ile Phe Val Gly Glu Asn Ile
 20 25 30
 Leu Glu Glu Ser Glu Asn Leu His Asn Ala Asp Gln Pro Leu Arg Val
 35 40 45
 Arg Gly Cys Ile Leu Thr Leu Val Glu Arg Met Asp Glu Glu Phe Thr
 50 55 60
 Lys Ile Met Gln Asn Thr Asp Pro His Ser Gln Glu Tyr Val Glu His
 65 70 75 80
 Leu Lys Asp Glu Ala Gln Val Cys Ala Ile Ile Glu Arg Val Gln Arg
 85 90 95
 Tyr Leu Xaa Xaa Glu Gly His Tyr Arg Gly Gly Leu Pro His Leu Pro
 100 105 110
 Ala Ala His Pro Ala His Leu Leu Gln Val
 115 120

<210> 8048

<211> 333
 <212> PRT
 <213> Homo sapiens

<400> 8048

Met	Gln	Ser	Ser	Trp	His	Val	Val	Ser	Arg	Ile	Phe	Trp	Ile	Glu	Glu
1				5					10					15	
Val	Ile	Gly	Ser	Ile	Pro	Leu	Lys	Ala	Met	Glu	Leu	Ala	Ile	Val	Cys
			20					25					30		
Phe	Leu	Ile	Glu	Gly	Pro	Phe	Val	Arg	Met	Leu	Lys	Ile	Cys	Val	Pro
		35					40					45			
Phe	Lys	Xaa	Lys	Ala	Xaa	Phe	Lys	Ser	Xaa	Xaa	Gln	Lys	Tyr	Pro	Phe
	50					55					60				
Ser	Phe	Ser	Met	Val	Tyr	Phe	Ser	Arg	Phe	Ser	Val	Pro	Pro	Ser	Val
65					70					75				80	
Val	Lys	Ser	Phe	Leu	Tyr	Ser	Trp	Gln	Cys	Gln	Glu	Tyr	Trp	Phe	Glu
				85				90						95	
Lys	Leu	Leu	Ala	Tyr	Leu	Glu	Phe	Gly	Leu	Val	Asn	Leu	Val	Phe	
			100					105						110	

<210> 8049
 <211> 372
 <212> PRT
 <213> Homo sapiens

<400> 8049

Met	Pro	Asp	Gly	Gln	Phe	Lys	Asp	Ile	Ser	Leu	Ser	Asp	Tyr	Lys	Gly
1				5					10					15	
Lys	Tyr	Val	Val	Phe	Phe	Phe	Tyr	Pro	Leu	Asp	Phe	Thr	Phe	Val	Cys
			20					25					30		
Pro	Thr	Glu	Ile	Ile	Ala	Phe	Ser	Asp	Arg	Ala	Glu	Glu	Phe	Lys	Lys
		35					40					45			
Leu	Asn	Cys	Gln	Val	Ile	Gly	Ala	Ser	Val	Asp	Ser	His	Phe	Cys	His
	50					55					60				
Leu	Ala	Trp	Val	Asn	Thr	Pro	Lys	Lys	Gln	Gly	Gly	Leu	Gly	Pro	Met
65				70					75					80	
Asn	Ile	Pro	Leu	Val	Ser	Asp	Pro	Lys	Arg	Thr	Ile	Ala	Gln	Asp	Tyr
				85				90						95	
Gly	Val	Leu	Lys	Ala	Asp	Glu	Ala	Ser	Arg	Ser	Gly	Ala	Phe	Leu	Ser
			100					105						110	
Leu	Met	Ile	Xaa	Tyr	Ser	Ser	Ala	Asp	His	Cys	Lys				
			115					120							

<210> 8050
 <211> 375
 <212> PRT
 <213> Homo sapiens

<400> 8050

Met	Ala	Met	Gln	Ala	Ala	Lys	Arg	Ala	Asn	Ile	Arg	Leu	Pro	Pro	Glu
1				5					10					15	
Val	Asn	Arg	Ile	Leu	Tyr	Ile	Arg	Asn	Leu	Pro	Tyr	Lys	Ile	Thr	Ala
			20					25					30		
Glu	Glu	Met	Tyr	Asp	Ile	Phe	Gly	Lys	Tyr	Gly	Pro	Ile	Arg	Gln	Ile

35 40 45
 Arg Val Gly Asn Thr Pro Glu Thr Arg Gly Thr Ala Tyr Val Val Tyr
 50 55 60
 Glu Asp Ile Phe Asp Ala Lys Asn Ala Cys Asp His Leu Ser Gly Phe
 65 70 75 80
 Asn Val Cys Asn Arg Tyr Leu Val Val Leu Tyr Tyr Asn Ala Asn Arg
 85 90 95
 Ala Phe Gln Lys Met Asp Thr Lys Lys Lys Glu Glu Gln Leu Lys Leu
 100 105 110
 Leu Lys Glu Lys Tyr Gly Ile Asn Thr Asp Pro Pro Lys
 115 120 125

<210> 8051
 <211> 483
 <212> PRT
 <213> Homo sapiens

<400> 8051
 Met Ala Asp Tyr Leu Ile Ser Gly Gly Thr Ser Tyr Val Pro Asp Asp
 1 5 10 15
 Gly Leu Thr Ala Gln Gln Leu Phe Asn Cys Gly Asp Gly Leu Thr Tyr
 20 25 30
 Asn Asp Phe Leu Ile Leu Pro Gly Tyr Ile Asp Phe Thr Ala Asp Gln
 35 40 45
 Val Asp Leu Thr Ser Ala Leu Thr Lys Lys Ile Thr Leu Lys Thr Pro
 50 55 60
 Leu Val Ser Ser Pro Met Asp Thr Val Thr Glu Ala Gly Met Ala Ile
 65 70 75 80
 Ala Met Ala Leu Thr Gly Gly Ile Gly Phe Ile His His Asn Cys Thr
 85 90 95
 Pro Glu Phe Gln Ala Asn Glu Val Arg Lys Val Xaa Xaa Tyr Glu Gln
 100 105 110
 Gly Phe Ile Thr Asp Pro Val Val Leu Ser Pro Lys Asp Arg Val Arg
 115 120 125
 Asp Val Phe Glu Ala Arg Pro Ala Trp Phe Leu Arg Tyr Pro Asn His
 130 135 140
 Xaa His Arg Pro Asp Gly Glu Pro Leu Val Ala Xaa Ser Pro Xaa Gly
 145 150 155 160
 His

<210> 8052
 <211> 378
 <212> PRT
 <213> Homo sapiens

<400> 8052
 Met Ala Asp Glu Ile Ala Lys Ala Gln Val Ala Arg Pro Gly Gly Asp
 1 5 10 15
 Thr Ile Phe Gly Lys Ile Ile Arg Lys Glu Ile Pro Ala Lys Ile Ile
 20 25 30
 Phe Glu Asp Asp Arg Cys Leu Ala Phe His Asp Ile Ser Pro Gln Ala
 35 40 45
 Pro Thr His Phe Leu Val Ile Pro Lys Lys His Ile Ser Gln Ile Ser
 50 55 60

Val Ala Glu Asp Asp Asp Glu Ser Leu Leu Gly His Leu Met Ile Val
 65 70 75 80
 Gly Lys Lys Cys Ala Ala Asp Leu Gly Leu Asn Lys Gly Tyr Arg Met
 85 90 95
 Val Val Asn Glu Gly Ser Asp Gly Gly Gln Ser Val Tyr His Val His
 100 105 110
 Leu His Val Leu Gly Gly Arg Gln Met His Trp Pro Pro Gly
 115 120 125

<210> 8053
 <211> 318
 <212> PRT
 <213> Homo sapiens

<400> 8053
 Met Ala Gln Glu Phe Val Asn Cys Lys Ile Gln Pro Gly Lys Val Val
 1 5 10 15
 Val Phe Ile Lys Pro Thr Cys Pro Tyr Cys Arg Arg Ala Gln Glu Ile
 20 25 30
 Leu Ser Gln Leu Pro Ile Lys Gln Gly Leu Leu Glu Phe Val Asp Ile
 35 40 45
 Thr Ala Thr Asn His Thr Asn Glu Ile Gln Asp Tyr Leu Gln Gln Leu
 50 55 60
 Thr Gly Ala Arg Thr Val Pro Arg Val Phe Ile Gly Lys Asp Cys Ile
 65 70 75 80
 Gly Gly Cys Ser Asp Leu Val Ser Leu Gln Gln Ser Gly Glu Leu Leu
 85 90 95
 Thr Arg Leu Lys Gln Ile Gly Ala Leu Gln
 100 105

<210> 8054
 <211> 462
 <212> PRT
 <213> Homo sapiens

<400> 8054
 Met Ala Gln Ser Ile Asn Ile Thr Glu Leu Asn Leu Pro Gln Leu Glu
 1 5 10 15
 Met Leu Lys Asn Gln Leu Asp Gln Glu Val Glu Phe Leu Ser Thr Ser
 20 25 30
 Ile Ala Gln Leu Lys Val Val Gln Thr Lys Tyr Val Glu Ala Lys Asp
 35 40 45
 Cys Leu Asn Val Leu Asn Lys Ser Asn Glu Gly Lys Glu Leu Leu Val
 50 55 60
 Pro Leu Thr Ser Ser Met Tyr Val Pro Gly Lys Leu His Asp Val Glu
 65 70 75 80
 His Val Leu Ile Asp Val Gly Thr Gly Tyr Tyr Val Glu Lys Thr Ala
 85 90 95
 Glu Asp Ala Lys Asp Phe Phe Lys Arg Lys Ile Asp Phe Leu Thr Lys
 100 105 110
 Gln Met Glu Lys Ile Gln Pro Ala Leu Gln Glu Lys His Ala Met Lys
 115 120 125
 Gln Ala Val Met Glu Met Met Ser Gln Lys Ile Gln Gln Leu Thr Ala
 130 135 140

Leu Gly Ala Ala Gln Ala Thr Ala Lys Ala
145 150

<210> 8055
<211> 321
<212> PRT
<213> Homo sapiens

<400> 8055
Met Arg Leu Ser Ala Leu Leu Ala Leu Ala Ser Lys Val Thr Leu Pro
1 5 10 15
Pro His Tyr Arg Tyr Gly Met Ser Pro Pro Gly Ser Val Ala Asp Lys
20 25 30
Arg Lys Asn Pro Pro Trp Ile Arg Arg Arg Pro Val Val Val Glu Pro
35 40 45
Ile Ser Asp Glu Asp Trp Tyr Leu Phe Cys Gly Asp Thr Val Glu Ile
50 55 60
Leu Glu Gly Lys Asp Ala Gly Lys Gln Gly Lys Val Val Gln Val Ile
65 70 75 80
Arg Gln Arg Asn Trp Val Val Val Gly Gly Leu Asn Thr His Tyr Arg
85 90 95
Tyr Ile Gly Lys Thr Met Asp Tyr Arg Gly Thr
100 105

<210> 8056
<211> 366
<212> PRT
<213> Homo sapiens

<400> 8056
Met Ala Glu Lys Pro Lys Leu His Tyr Phe Asn Ala Arg Gly Arg Met
1 5 10 15
Glu Ser Thr Arg Trp Leu Leu Ala Ala Ala Gly Val Glu Phe Glu Glu
20 25 30
Lys Phe Ile Lys Ser Ala Glu Asp Leu Asp Lys Leu Arg Asn Asp Gly
35 40 45
Tyr Leu Met Phe Gln Gln Val Pro Met Val Glu Ile Asp Gly Met Lys
50 55 60
Leu Val Gln Thr Arg Ala Ile Leu Asn Tyr Ile Ala Ser Lys Tyr Asn
65 70 75 80
Leu Tyr Gly Lys Asp Ile Lys Glu Arg Ala Leu Ile Asp Met Tyr Ile
85 90 95
Glu Gly Ile Ala Asp Leu Gly Glu Met Ile Leu Leu Leu Pro Val Cys
100 105 110
Pro Pro Glu Glu Lys Met Pro Ser Leu Pro
115 120

<210> 8057
<211> 312
<212> PRT
<213> Homo sapiens

<400> 8057
Met Thr Phe Arg Ala Thr Asp Ser Glu Phe Asp Leu Thr Asn Ile Glu

1 5 10 15
 Glu Tyr Ala Glu Asn Ser Ala Leu Ser Arg Leu Asn Asn Ile Lys Ala
 20 25 30
 Xaa Gln Arg Val Ser Xaa Val Thr Ser Thr Glu Asn Glu Ser Asp Thr
 35 40 45
 Gln Ile Leu Thr Phe Arg His Ile Thr Lys Ala Gln Glu Lys Thr Xaa
 50 55 60
 Xaa Arg Xaa Gln Pro Ile Lys Leu Glu Pro Leu Val Ser Ser Lys Thr
 65 70 75 80
 Ile Val Leu Ala Ser Val Ala Thr Xaa Xaa Xaa Val Lys Leu Leu Trp
 85 90 95
 Arg Ile Glu Val Met Ser Arg Leu
 100

<210> 8058
 <211> 324
 <212> PRT
 <213> Homo sapiens

<400> 8058
 Met Ile His Ser Leu Phe Leu Ile Asn Cys Ser Gly Asp Ile Phe Leu
 1 5 10 15
 Glu Lys His Trp Lys Ser Val Val Ser Gln Ser Val Cys Asp Tyr Phe
 20 25 30
 Phe Glu Ala Gln Glu Lys Ala Ala Asp Val Glu Asn Val Pro Pro Val
 35 40 45
 Ile Ser Thr Pro His His Tyr Leu Ile Ser Ile Tyr Arg Asp Lys Leu
 50 55 60
 Phe Phe Val Ser Val Ile Gln Thr Glu Val Pro Pro Leu Phe Val Ile
 65 70 75 80
 Xaa Val Pro Thr Ser Glu Leu Leu Thr Leu Phe Arg Thr Thr Leu Val
 85 90 95
 Ser Val Gln Arg Leu Gln Leu Arg Xaa Met Trp Ser
 100 105

<210> 8059
 <211> 381
 <212> PRT
 <213> Homo sapiens

<400> 8059
 Met Ala Ser Gly Val Ala Val Ser Asp Gly Val Ile Lys Val Phe Asn
 1 5 10 15
 Asp Met Lys Val Arg Lys Ser Ser Thr Pro Glu Glu Val Lys Lys Arg
 20 25 30
 Lys Lys Ala Val Leu Phe Cys Leu Ser Glu Asp Lys Lys Asn Ile Ile
 35 40 45
 Leu Glu Glu Gly Lys Glu Ile Leu Val Gly Asp Val Gly Gln Thr Val
 50 55 60
 Asp Asp Pro Tyr Ala Thr Phe Val Lys Met Leu Pro Asp Lys Asp Cys
 65 70 75 80
 Arg Tyr Ala Leu Tyr Asp Ala Thr Tyr Glu Thr Lys Glu Ser Lys Lys
 85 90 95
 Glu Asp Leu Val Phe Ile Phe Trp Ala Pro Glu Ser Ala Pro Leu Lys

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	100		105		110									
Ser	Lys	Met	Ile	Tyr	Ala	Ser	Ser	Lys	Xaa	Pro	Ser	Arg	Arg	Ser
	115		120									125		

<210> 8060
 <211> 384
 <212> PRT
 <213> Homo sapiens

<400> 8060

Met	Ala	Gly	Ser	Gly	Val	Arg	Gln	Xaa	Thr	Ser	Thr	Ala	Ser	Thr	Phe
1			5					10					15		
Val	Lys	Pro	Ile	Phe	Ser	Arg	Asp	Met	Asn	Glu	Ala	Lys	Arg	Arg	Val
		20					25					30			
Arg	Glu	Leu	Tyr	Arg	Ala	Trp	Tyr	Arg	Glu	Val	Pro	Asn	Thr	Val	His
	35					40					45				
Gln	Phe	Gln	Leu	Asp	Ile	Thr	Val	Lys	Met	Gly	Arg	Asp	Lys	Val	Arg
	50				55					60					
Glu	Met	Phe	Met	Lys	Asn	Ala	His	Val	Thr	Asp	Pro	Arg	Val	Val	Asp
65				70					75					80	
Leu	Leu	Val	Ile	Lys	Gly	Lys	Ile	Glu	Leu	Glu	Glu	Thr	Ile	Lys	Val
			85					90					95		
Trp	Lys	Gln	Arg	Thr	His	Val	Met	Arg	Phe	Phe	His	Glu	Thr	Glu	Ala
		100					105					110			
Pro	Arg	Pro	Lys	Asp	Phe	Leu	Ser	Lys	Phe	Tyr	Val	Gly	His	Asp	Pro
	115						120					125			

<210> 8061
 <211> 360
 <212> PRT
 <213> Homo sapiens

<400> 8061

Met	Ala	Ala	Ala	Val	Ala	Ala	Ala	Gly	Ala	Gly	Glu	Pro	Gln	Ser	Pro
1			5					10					15		
Asp	Glu	Leu	Leu	Pro	Lys	Gly	Asp	Ala	Glu	Lys	Pro	Glu	Glu	Glu	Leu
		20					25					30			
Glu	Glu	Asp	Asp	Asp	Glu	Glu	Leu	Asp	Glu	Thr	Leu	Ser	Glu	Arg	Leu
	35					40					45				
Trp	Gly	Leu	Thr	Glu	Met	Phe	Pro	Glu	Arg	Val	Arg	Ser	Ala	Ala	Gly
	50				55					60					
Ala	Thr	Phe	Asp	Leu	Ser	Leu	Phe	Val	Ala	Gln	Lys	Met	Tyr	Arg	Phe
65				70					75					80	
Ser	Arg	Ala	Ala	Leu	Trp	Ile	Gly	Thr	Thr	Ser	Phe	Met	Ile	Leu	Val
			85				90						95		
Leu	Pro	Val	Val	Phe	Glu	Thr	Glu	Lys	Leu	Gln	Met	Glu	Gln	Gln	Gln
		100					105					110			
Gln	Leu	Xaa	Ser	Gly	Arg	Tyr	Phe								
	115						120								

<210> 8062
 <211> 387
 <212> PRT
 <213> Homo sapiens

<400> 8062

Met Lys Met Phe Glu Ser Ala Asp Ser Thr Ala Thr Arg Ser Gly Gln
 1 5 10 15
 Asp Leu Trp Ala Glu Ile Cys Ser Cys Leu Pro Asn Pro Glu Gln Glu
 20 25 30
 Asp Gly Ala Asn Asn Ala Phe Ser Asp Ser Phe Val Asp Ser Cys Pro
 35 40 45
 Glu Gly Glu Gly Gln Arg Glu Val Ala Asp Phe Ala Val Gln Pro Ala
 50 55 60
 Val Lys Pro Trp Ala Pro Leu Gln Asp Ser Glu Val Tyr Leu Ala Ser
 65 70 75 80
 Leu Glu Lys Lys Leu Arg Arg Ile Lys Gly Leu Asn Gln Glu Val Thr
 85 90 95
 Ser Lys Asp Met Leu Arg Thr Leu Gly Pro Ser Gln Glu Gly Met Leu
 100 105 110
 Gly Ser Val Pro Pro Gly Glu Val Ser Phe Arg Val Leu Cys Gly Trp
 115 120 125
 Thr

<210> 8063

<211> 318

<212> PRT

<213> Homo sapiens

<400> 8063

Met Gly Lys Val Ile Ile Leu Thr Ala Ala Ala Gln Gly Ile Gly Gln
 1 5 10 15
 Ala Ala Ala Leu Ala Phe Ala Arg Glu Gly Ala Lys Val Ile Ala Thr
 20 25 30
 Asp Ile Asn Glu Ser Lys Leu Gln Glu Leu Glu Lys Tyr Pro Gly Ile
 35 40 45
 Gln Thr Arg Val Leu Asp Val Thr Lys Lys Lys Gln Ile Asp Gln Phe
 50 55 60
 Ala Asn Glu Val Glu Arg Leu Asp Val Leu Phe Asn Val Ala Gly Phe
 65 70 75 80
 Val His His Gly Thr Val Leu Asp Cys Glu Lys Asp Trp Asp Phe
 85 90 95
 Ser Met Asn Leu Asn Val Arg Xaa Cys Thr
 100 105

<210> 8064

<211> 339

<212> PRT

<213> Homo sapiens

<400> 8064

Met Ala Ala Ile Pro Pro Asp Ser Trp Gln Pro Pro Asn Val Tyr Leu
 1 5 10 15
 Glu Thr Ser Met Gly Ile Ile Val Leu Glu Leu Tyr Trp Lys His Ala
 20 25 30
 Pro Lys Thr Xaa Lys Asn Phe Ala Glu Leu Ala Arg Arg Gly Tyr Tyr
 35 40 45
 Asn Gly Xaa Lys Phe His Arg Ile Ile Lys Asp Phe Met Ile Gln Gly

50 55 60
 Gly Asp Pro Thr Gly Thr Gly Arg Gly Gly Ala Ser Ile Tyr Gly Lys
 65 70 75 80
 Gln Phe Glu Asp Glu Leu His Pro Asp Leu Lys Phe Thr Gly Ala Glu
 85 90 95
 Phe Ser Gln Trp Pro Met Arg Gly Gln Ile Pro Xaa Ala Ala Ser Ser
 100 105 110
 Leu

<210> 8065
 <211> 315
 <212> PRT
 <213> Homo sapiens

<400> 8065
 Met Arg Gln Pro Tyr Leu Ser Ser Arg Glu Val Ser Ser Ser Arg Lys
 1 5 10 15
 Arg Trp Arg Thr Phe Pro Val Asp Cys Val Ala Met Cys Gly Asp Cys
 20 25 30
 Val Glu Lys Glu Tyr Pro Asn Arg Gly Asn Thr Cys Leu Glu Asn Gly
 35 40 45
 Ser Phe Leu Leu Asn Phe Thr Gly Cys Ala Val Cys Ser Lys Arg Asp
 50 55 60
 Phe Met Leu Ile Thr Asn Lys Ser Leu Xaa Xaa Glu Asp Gly Glu Xaa
 65 70 75 80
 Ile Val Thr Tyr Asp Arg Val Tyr His Ala Val Ser Val Met Arg Gln
 85 90 95
 Ser Arg Arg Tyr Tyr Gln Tyr Ser Pro
 100 105

<210> 8066
 <211> 366
 <212> PRT
 <213> Homo sapiens

<400> 8066
 Met Pro His Pro Tyr Ser Arg Asn Glu Asn Asn Gly Gly Arg Gly Ala
 1 5 10 15
 Glu Asp Ser Ser Met Gln Leu Thr Thr Arg Arg Gln Lys Ala Glu Ala
 20 25 30
 Gly Val Leu Glu Asn Leu Ala Val Leu Glu Phe Thr Leu Thr Pro Pro
 35 40 45
 Arg Ser Ser Ala Ala Glu Pro Ser Ser Pro Ala Leu Pro Gly Ala Arg
 50 55 60
 Trp Arg Trp Phe Cys Cys Gln Leu Gly Glu Thr Glu Leu Gly His Ala
 65 70 75 80
 Arg Trp Arg Arg Pro Pro Cys Cys Val Pro Phe Pro Gly Cys Trp Pro
 85 90 95
 Pro Pro Gly Ser Arg Ala Ala Leu Gln Cys Asp Gln Ser Ser Thr Cys
 100 105 110
 Glu Ser Arg Arg Met Pro Asn Leu Thr Gly
 115 120

<210> 8067

<211> 498
 <212> PRT
 <213> Homo sapiens

<400> 8067

Met	Leu	Phe	Asn	Asn	Lys	Glu	Lys	Tyr	Thr	Phe	Glu	Glu	Ile	Gln	Gln
1			5						10					15	
Glu	Thr	Asp	Ile	Pro	Glu	Arg	Glu	Leu	Val	Arg	Ala	Leu	Gln	Ser	Leu
		20					25						30		
Ala	Cys	Gly	Lys	Pro	Thr	Gln	Arg	Val	Leu	Thr	Lys	Glu	Pro	Xaa	Ser
		35				40						45			
Lys	Glu	Ile	Glu	Asn	Gly	His	Ile	Phe	Thr	Val	Asn	Asp	Gln	Phe	Thr
	50				55						60				
Ser	Lys	Leu	His	Arg	Val	Lys	Ile	Gln	Thr	Val	Ala	Ala	Lys	Gln	Gly
65				70					75					80	
Glu	Ser	Asp	Pro	Glu	Arg	Lys	Glu	Thr	Arg	Gln	Lys	Val	Asp	Asp	Asp
			85					90					95		
Arg	Lys	His	Glu	Ile	Glu	Ala	Ala	Ile	Val	Arg	Ile	Met	Lys	Ser	Arg
		100					105					110			
Lys	Lys	Met	Gln	His	Asn	Val	Leu	Val	Ala	Glu	Val	Thr	Gln	Gln	Leu
		115				120						125			
Lys	Ala	Arg	Phe	Leu	Pro	Ser	Pro	Val	Val	Ile	Lys	Lys	Arg	Ile	Glu
	130					135					140				
Gly	Leu	Ile	Glu	Arg	Glu	Tyr	Leu	Ala	Arg	Thr	Pro	Glu	Asp	Arg	Lys
145					150					155					160
Val	Tyr	Thr	Tyr	Val	Ala										
					165										

<210> 8068
 <211> 378
 <212> PRT
 <213> Homo sapiens

<400> 8068

Met	Ala	Ala	Ser	Arg	Tyr	Arg	Arg	Phe	Leu	Lys	Leu	Cys	Glu	Glu	Trp
1			5						10					15	
Pro	Val	Asp	Glu	Thr	Lys	Arg	Gly	Arg	Asp	Leu	Gly	Ala	Tyr	Leu	Arg
		20					25						30		
Gln	Arg	Val	Ala	Gln	Ala	Phe	Arg	Glu	Gly	Glu	Asn	Thr	Gln	Val	Ala
		35				40						45			
Glu	Pro	Glu	Ala	Cys	Asp	Gln	Met	Tyr	Glu	Ser	Leu	Ala	Arg	Leu	His
	50					55					60				
Ser	Asn	Tyr	Tyr	Lys	His	Lys	Tyr	Pro	Arg	Pro	Arg	Asp	Thr	Ser	Phe
65				70					75					80	
Ser	Gly	Leu	Ser	Leu	Glu	Glu	Tyr	Lys	Leu	Ile	Leu	Ser	Thr	Asp	Thr
			85					90					95		
Leu	Glu	Glu	Leu	Lys	Glu	Ile	Asp	Lys	Gly	Met	Trp	Lys	Lys	Leu	Gln
		100					105					110			
Glu	Lys	Phe	Ala	Pro	Lys	Gly	Pro	Glu	Glu	Asp	His	Lys	Ala		
		115					120					125			

<210> 8069
 <211> 441
 <212> PRT

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<213> Homo sapiens

<400> 8069

Met Gly His Phe Thr Glu Glu Asp Lys Ala Thr Ile Thr Ser Leu Trp
1 5 10 15
Gly Lys Val Asn Val Glu Asp Ala Gly Gly Glu Thr Leu Gly Arg Leu
20 25 30
Leu Val Val Tyr Pro Trp Thr Gln Arg Phe Phe Asp Ser Phe Gly Asn
35 40 45
Leu Ser Ser Ala Ser Ala Ile Met Gly Asn Pro Lys Val Lys Ala His
50 55 60
Gly Lys Lys Val Leu Thr Ser Leu Gly Asp Ala Ile Lys His Leu Asp
65 70 75 80
Asp Leu Lys Gly Thr Phe Ala Gln Leu Ser Glu Leu His Cys Asp Lys
85 90 95
Leu His Val Asp Pro Glu Asn Phe Lys Leu Leu Gly Xaa Val Leu Val
100 105 110
Thr Val Leu Ala Ile His Phe Gly Lys Glu Phe Thr Pro Glu Val Gln
115 120 125
Ala Ser Trp Gln Lys Met Val Thr Ala Val Ala Ser Ala Leu Ser Ser
130 135 140
Arg Tyr His
145

<210> 8070

<211> 402

<212> PRT

<213> Homo sapiens

<400> 8070

Met Ala Gly Ser Arg Leu Glu Thr Val Gly Ser Ile Phe Ser Arg Thr
1 5 10 15
Arg Asp Leu Val Arg Ala Gly Val Leu Lys Glu Lys Pro Leu Trp Phe
20 25 30
Asp Val Tyr Asp Ala Phe Pro Pro Leu Arg Glu Pro Val Phe Gln Arg
35 40 45
Pro Arg Val Arg Tyr Gly Lys Ala Lys Ala Pro Ile Gln Asp Ile Trp
50 55 60
Tyr His Glu Asp Arg Ile Arg Ala Lys Phe Tyr Ser Val Tyr Gly Ser
65 70 75 80
Gly Gln Arg Ala Phe Asp Leu Phe Asn Pro Asn Phe Lys Ser Thr Cys
85 90 95
Gln Arg Phe Val Glu Lys Tyr Thr Glu Leu Gln Lys Leu Gly Glu Thr
100 105 110
Asp Glu Glu Lys Leu Phe Val Glu Thr Gly Lys Ala Leu Leu Ala Glu
115 120 125
Gly Val Xaa Leu Arg Arg
130

<210> 8071

<211> 354

<212> PRT

<213> Homo sapiens

<400> 8071

Met Asp Val Phe Leu Met Ile Arg Arg His Lys Thr Thr Ile Phe Thr
1 5 10 15
Asp Ala Lys Glu Ser Ser Thr Val Phe Glu Leu Lys Arg Ile Val Glu
20 25 30
Gly Ile Leu Lys Arg Pro Pro Asp Glu Gln Arg Leu Tyr Lys Asp Asp
35 40 45
Gln Leu Leu Asp Asp Gly Lys Thr Leu Gly Glu Cys Gly Phe Thr Ser
50 55 60
Gln Thr Ala Arg Pro Gln Ala Pro Ala Thr Val Gly Leu Ala Phe Arg
65 70 75 80
Ala Asp Asp Thr Phe Glu Ala Leu Cys Ile Glu Pro Phe Ser Ser Pro
85 90 95
Pro Glu Leu Pro Asp Val Met Lys Pro Gln Asp Ser Gly Ser Ser Ala
100 105 110
Asn Glu Gln Ala Val Gln
115

<210> 8072

<211> 354

<212> PRT

<213> Homo sapiens

<400> 8072

Met Asp Val Phe Leu Met Ile Arg Arg His Lys Thr Thr Ile Phe Thr
1 5 10 15
Asp Ala Lys Glu Ser Ser Thr Val Phe Glu Leu Lys Arg Ile Val Glu
20 25 30
Gly Ile Leu Lys Arg Pro Pro Asp Glu Gln Arg Leu Tyr Lys Asp Asp
35 40 45
Gln Leu Leu Asp Asp Gly Lys Thr Leu Gly Glu Cys Gly Phe Thr Ser
50 55 60
Gln Thr Ala Arg Pro Gln Ala Pro Ala Thr Val Gly Leu Ala Phe Arg
65 70 75 80
Ala Asp Asp Thr Phe Glu Ala Leu Cys Ile Glu Pro Phe Ser Ser Pro
85 90 95
Pro Glu Leu Pro Asp Val Met Lys Pro Gln Asp Ser Gly Ser Ser Ala
100 105 110
Asn Glu Gln Ala Val Gln
115

<210> 8073

<211> 330

<212> PRT

<213> Homo sapiens

<400> 8073

Met Asp Ser Thr Leu Thr Ala Ser Glu Ile Arg Gln Arg Phe Ile Asp
1 5 10 15
Phe Phe Lys Arg Asn Glu His Thr Tyr Val His Ser Ser Ala Thr Ile
20 25 30
Pro Leu Asp Asp Pro Thr Leu Leu Phe Ala Asn Ala Gly Met Asn Gln
35 40 45
Phe Lys Pro Ile Phe Leu Asn Thr Ile Asp Pro Ser His Pro Met Ala

50		55		60											
Lys	Leu	Ser	Arg	Ala	Ala	Asn	Thr	Gln	Lys	Cys	Ile	Arg	Ala	Gly	Gly
65				70						75					80
Lys	His	Asn	Asp	Leu	Asp	Asp	Val	Gly	Lys	Asp	Val	Tyr	His	His	Thr
			85						90					95	
Phe	Phe	Glu	Met	Leu	Gly	Ser	Leu	Val	Phe	Trp	Arg	Leu	Leu		
			100					105					110		

<210> 8074
 <211> 435
 <212> PRT
 <213> Homo sapiens

<400> 8074															
Met	Gln	Ala	Phe	Leu	Asn	Val	Leu	Asp	Xaa	Cys	Pro	Lys	Leu	Glu	Val
1			5						10				15		
Asp	Ile	Pro	Leu	Val	Lys	Ser	Tyr	Leu	Ala	Gln	Phe	Ala	Ala	Arg	Ala
			20					25					30		
Ile	Ile	Ser	Glu	Leu	Val	Ser	Ile	Ser	Glu	Leu	Ala	Gln	Pro	Leu	Glu
		35				40						45			
Ser	Gly	Thr	His	Phe	Pro	Leu	Phe	Leu	Leu	Cys	Leu	Gln	Gln	Leu	Ala
	50					55				60					
Lys	Leu	Gln	Asp	Arg	Glu	Trp	Leu	Thr	Glu	Leu	Phe	Gln	Gln	Ser	Lys
65					70				75						80
Val	Asn	Met	Gln	Lys	Met	Leu	Pro	Glu	Ile	Asp	Gln	Asn	Lys	Asp	Arg
			85					90					95		
Met	Leu	Glu	Ile	Leu	Glu	Gly	Lys	Gly	Leu	Ser	Phe	Leu	Phe	Pro	Xaa
			100					105					110		
Leu	Lys	Leu	Glu	Lys	Glu	Leu	Leu	Lys	Gln	Ile	Lys	Leu	Asp	Pro	Ser
	115					120					125				
Pro	Gln	Thr	Ile	Tyr	Lys	Trp	Ile	Lys	Asp	Asn	Ile	Ser	Pro	Lys	Leu
	130					135					140				
Met															
145															

<210> 8075
 <211> 348
 <212> PRT
 <213> Homo sapiens

<400> 8075															
Met	Gly	Tyr	Ala	Ala	Lys	Ala	Met	Lys	Ala	Ala	His	Asp	Asn	Met	Asp
1			5						10				15		
Ile	Asp	Lys	Val	Asp	Glu	Leu	Met	Gln	Asp	Ile	Ala	Asp	Gln	Xaa	Glu
			20					25					30		
Leu	Ala	Glu	Glu	Ile	Ser	Thr	Ala	Ile	Ser	Lys	Pro	Val	Gly	Phe	Gly
		35				40						45			
Glu	Glu	Phe	Asp	Glu	Asp	Glu	Leu	Met	Ala	Glu	Leu	Glu	Glu	Leu	Glu
	50				55					60					
Gln	Glu	Glu	Leu	Asp	Lys	Asn	Leu	Leu	Glu	Ile	Ser	Gly	Pro	Glu	Thr
65				70					75						80
Val	Pro	Leu	Pro	Asn	Val	Pro	Ser	Ile	Ala	Leu	Pro	Ser	Lys	Pro	Ala
			85					90					95		
Lys	Lys	Lys	Glu	Glu	Glu	Asp	Asp	Asp	Met	Lys	Glu	Leu	Glu	Asn	Trp

110

<400> 8076

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<210> 8077
<211> 336
<212> PRT
<213> Homo sapiens
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<400> 8077

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<210> 8078
<211> 342
<212> PRT
<213> Homo sapiens
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<400> 8078

4081

65 70 75 80
 Ser Met Lys Glu Asn Lys Val Ala Ile Ile Gly Lys Ile His Thr Pro
 85 90 95
 Met Glu Tyr Xaa Gly Ala Xaa Xaa Xaa Pro Met Ile Cys Gly Xaa Gly
 100 105 110
 Val Ser Trp Thr Tyr Leu Pro Arg Xaa His Val Ser His Phe Leu Gly
 115 120 125
 Ile

<210> 8081
 <211> 318
 <212> PRT
 <213> Homo sapiens

<400> 8081
 Met Met Ala Thr Gly Thr Pro Glu Ser Gln Ala Arg Phe Gly Gln Ser
 1 5 10 15
 Val Lys Gly Leu Leu Thr Glu Lys Val Thr Thr Cys Gly Thr Asp Val
 20 25 30
 Ile Ala Leu Thr Lys Gln Val Leu Lys Gly Ser Arg Ser Ser Glu Leu
 35 40 45
 Leu Gly Gln Ala Ala Arg Asn Met Val Leu Gln Glu Asp Ala Ile Leu
 50 55 60
 His Ser Glu Asp Ser Leu Arg Lys Met Ala Ile Ile Thr Thr His Leu
 65 70 75 80
 Gln Tyr Gln Gln Glu Ala Ile Gln Lys Asn Val Glu Gln Ser Ser Asp
 85 90 95
 Leu Gln Asp Gln Leu Asn His Leu Leu Lys
 100 105

<210> 8082
 <211> 309
 <212> PRT
 <213> Homo sapiens

<400> 8082
 Met Met Gly Ser Lys Met Ala Ser Ala Ser Arg Val Val Gln Val Val
 1 5 10 15
 Lys Pro His Thr Pro Leu Ile Arg Phe Pro Asp Arg Arg Asp Asn Pro
 20 25 30
 Lys Pro Asn Val Ser Glu Ala Leu Arg Ser Ala Gly Leu Pro Ser His
 35 40 45
 Ser Ser Val Ile Ser Gln His Ser Lys Gly Ser Lys Ser Pro Asp Leu
 50 55 60
 Leu Met Tyr Gln Gly Pro Pro Asp Thr Ala Glu Ile Ile Lys Thr Leu
 65 70 75 80
 Pro Gln Lys Tyr Arg Arg Lys Leu Val Ser Gln Glu Glu Met Glu Phe
 85 90 95
 Ile Gln Arg Gly Gly Pro Glu
 100

<210> 8083
 <211> 306
 <212> PRT

<213> Homo sapiens

<400> 8083

Met Leu Arg Ala Gly Ala Pro Thr Gly Asp Leu Pro Arg Ala Gly Glu
1 5 10 15
Val His Thr Gly Thr Thr Ile Met Ala Val Glu Phe Asp Gly Gly Val
20 25 30
Val Met Gly Ser Asp Ser Arg Val Ser Ala Gly Glu Ala Val Val Asn
35 40 45
Arg Val Phe Asp Lys Leu Ser Pro Leu His Glu Xaa Ile Tyr Cys Ala
50 55 60
Leu Ser Gly Ser Ala Ala Asp Ala Gln Ala Val Ala Asp Met Ala Ala
65 70 75 80
Tyr Gln Leu Glu Leu His Gly Ile Glu Leu Glu Glu Leu His Leu Phe
85 90 95
Trp Leu Leu Gln Met Trp
100

<210> 8084

<211> 384

<212> PRT

<213> Homo sapiens

<400> 8084

Met Ala Asp Ile Leu Ser Gln Ser Glu Thr Leu Ala Ser Gln Asp Leu
1 5 10 15
Ser Gly Asp Phe Lys Lys Pro Ala Leu Pro Val Ser Pro Ala Ala Arg
20 25 30
Ser Lys Ala Pro Ala Ser Ser Ser Ser Asn Pro Glu Glu Val Gln Lys
35 40 45
Glu Gly Pro Thr Ala Leu Gln Asp Ser Asn Ser Gly Glu Pro Asp Ile
50 55 60
Pro Pro Pro Gln Pro Asp Cys Gly Asp Phe Arg Ser Leu Gln Glu Glu
65 70 75 80
Gln Ser Arg Pro Xaa Thr Ala Val Ser Ser Pro Gly Gly Pro Ala Arg
85 90 95
Ala Pro Pro Tyr Gln Glu Pro Pro Trp Gly Gly Pro Ala Thr Ala Pro
100 105 110
Tyr Ser Leu Glu Thr Leu Lys Ala Ala Leu Ser Leu Xaa Pro Val Ala
115 120 125

<210> 8085

<211> 333

<212> PRT

<213> Homo sapiens

<400> 8085

Met Glu Arg Asp Arg Arg Lys Arg Ser Ala Ser Ser Ile Ser Ser Thr
1 5 10 15
Leu Leu Asp Thr Ser Pro Trp Leu Gln Thr Leu Glu Val Ser Leu Ala
20 25 30
Asp Gln Gln Glu Asp Ser Gln Xaa Ser Leu Phe Lys Arg Ser Pro Asp
35 40 45
Thr Gly His Pro Leu Pro Ala Pro Ala Ala Ser Ala Arg Arg His Gln

50		55		60
Cys Ser Glu Ala Val Ala Trp Cys Ser Val Glu His Pro Arg Arg Gly				
65	70		75	80
Pro Phe Cys Cys Leu Ser Arg Leu Thr Pro Leu His His Thr Ser Trp				
	85		90	95
Pro Ser Leu Leu Pro Phe Pro Arg Ile Val Lys Xaa Asp Ser His				
100		105		110

<210> 8086
 <211> 324
 <212> PRT
 <213> Homo sapiens

<400> 8086

Met Ile Leu Gln Arg Leu Phe Arg Phe Ser Ser Val Ile Arg Ser Ala				
1	5		10	15
Val Ser Val His Leu Arg Arg Asn Ile Gly Val Thr Ala Val Ala Phe				
	20		25	30
Asn Lys Glu Leu Asp Pro Ile Gln Lys Leu Phe Val Asp Lys Ile Arg				
	35		40	45
Glu Tyr Lys Ser Lys Arg Gln Thr Ser Gly Gly Pro Val Asp Ala Ser				
	50		55	60
Ser Glu Tyr Gln Gln Glu Leu Glu Arg Glu Leu Phe Lys Leu Lys Gln				
65	70		75	80
Met Phe Gly Asn Ala Asp Met Asn Thr Phe Pro Thr Phe Lys Phe Glu				
	85		90	95
Asp Pro Lys Phe Glu Val Ile Glu Lys Pro Gln Ala				
100		105		

<210> 8087
 <211> 354
 <212> PRT
 <213> Homo sapiens

<400> 8087

Met Ser Leu Leu Asn Lys Pro Lys Ser Glu Met Thr Pro Glu Glu Leu				
1	5		10	15
Gln Lys Arg Glu Glu Glu Phe Asn Thr Gly Pro Leu Ser Val Leu				
	20		25	30
Thr Gln Ser Val Lys Asn Asn Thr Gln Val Leu Ile Asn Cys Arg Asn				
	35		40	45
Asn Lys Lys Leu Leu Gly Arg Val Lys Ala Phe Asp Arg His Cys Asn				
	50		55	60
Met Val Leu Glu Asn Val Lys Glu Met Trp Thr Glu Val Pro Lys Ser				
65	70		75	80
Gly Lys Gly Lys Lys Ser Lys Pro Val Asn Lys Asp Arg Tyr Ile				
	85		90	95
Ser Lys Met Phe Leu Arg Gly Asp Ser Val Ile Val Val Leu Arg Asn				
	100		105	110
Pro Leu Ile Ala Gly Lys				
115				

<210> 8088
 <211> 354

<212> PRT

<213> Homo sapiens

<400> 8088

Met Trp Leu Glu Ile Leu Leu Thr Ser Val Leu Gly Phe Ala Ile Tyr
1 5 10 15
Trp Phe Ile Ser Arg Asp Lys Glu Glu Thr Leu Pro Leu Glu Asp Gly
20 25 30
Trp Trp Gly Pro Gly Thr Arg Ser Ala Ala Arg Glu Asp Asp Ser Ile
35 40 45
Arg Pro Phe Lys Val Glu Thr Ser Asp Glu Glu Ile His Asp Leu His
50 55 60
Gln Arg Ile Asp Lys Phe Arg Phe Thr Pro Pro Leu Glu Asp Ser Cys
65 70 75 80
Phe His Tyr Gly Phe Asn Ser Asn Tyr Leu Lys Lys Val Ile Ser Tyr
85 90 95
Trp Arg Asn Glu Phe Asp Trp Lys Lys Gln Val Glu Asp Ser Gln Gln
100 105 110
Ile Pro Ser Leu Gln Asp
115

<210> 8089

<211> 357

<212> PRT

<213> Homo sapiens

<400> 8089

Met Ala Leu Asn Lys Asn His Ser Glu Gly Gly Gly Val Ile Val Asn
1 5 10 15
Asn Thr Glu Ser Ile Leu Met Ser Tyr Asp His Val Glu Leu Thr Phe
20 25 30
Asn Asp Met Lys Asn Val Pro Glu Ala Phe Lys Gly Thr Lys Lys Gly
35 40 45
Thr Val Tyr Leu Thr Pro Tyr Arg Val Ile Phe Leu Ser Lys Gly Lys
50 55 60
Asp Ala Met Gln Ser Phe Met Met Pro Phe Tyr Leu Met Lys Asp Cys
65 70 75 80
Glu Ile Lys Gln Pro Val Phe Gly Ala Asn Tyr Ile Lys Gly Thr Val
85 90 95
Lys Ala Glu Ala Gly Gly Gly Trp Glu Gly Ser Ala Ser Tyr Lys Leu
100 105 110
Thr Phe Thr Ala Gly Arg His
115

<210> 8090

<211> 327

<212> PRT

<213> Homo sapiens

<400> 8090

Met Thr Val His Asn Leu Tyr Leu Phe Asp Arg Asn Gly Val Cys Leu
1 5 10 15
His Tyr Ser Glu Trp His Arg Lys Lys Gln Ala Gly Ile Pro Lys Glu
20 25 30

Glu Glu Tyr Lys Leu Met Tyr Gly Met Leu Phe Ser Ile Arg Ser Phe
 35 40 45
 Val Ser Lys Met Ser Pro Leu Asp Met Lys Asp Gly Phe Leu Ala Phe
 50 55 60
 Gln Thr Ser Arg Tyr Lys Leu His Tyr Tyr Glu Thr Pro Thr Gly Ile
 65 70 75 80
 Lys Val Val Met Asn Thr Asp Leu Gly Val Gly Pro Ile Arg Asp Val
 85 90 95
 Leu His His Ile Tyr Ser Ala Leu Leu Trp Ser Trp Trp
 100 105

<210> 8091
 <211> 366
 <212> PRT
 <213> Homo sapiens

<400> 8091
 Met Thr Val His Asn Leu Tyr Leu Phe Asp Arg Asn Gly Val Cys Leu
 1 5 10 15
 His Tyr Ser Glu Trp His Arg Lys Lys Gln Ala Gly Ile Pro Lys Glu
 20 25 30
 Glu Glu Tyr Lys Leu Met Tyr Gly Met Leu Phe Ser Ile Arg Ser Phe
 35 40 45
 Val Ser Lys Met Ser Pro Leu Asp Met Lys Asp Gly Phe Leu Ala Phe
 50 55 60
 Gln Thr Ser Arg Tyr Lys Leu His Tyr Tyr Glu Thr Pro Thr Gly Ile
 65 70 75 80
 Lys Val Val Met Asn Thr Xaa Leu Gly Val Gly Pro Ser Glu Met Cys
 85 90 95
 Cys Xaa Thr Ser Thr Val Arg Cys Cys Gly Ala Gly Gly Glu Glu Ser
 100 105 110
 Pro Val Pro Ala Gly Pro Asn Cys Ala Lys
 115 120

<210> 8092
 <211> 357
 <212> PRT
 <213> Homo sapiens

<400> 8092
 Met Ser Ala His Leu Gln Trp Met Val Val Arg Asn Cys Ser Ser Phe
 1 5 10 15
 Leu Ile Lys Arg Asn Lys Gln Thr Tyr Ser Thr Glu Pro Asn Asn Leu
 20 25 30
 Lys Ala Arg Asn Ser Phe Arg Tyr Asn Gly Leu Ile His Arg Lys Thr
 35 40 45
 Val Gly Val Glu Pro Ala Ala Asp Gly Lys Gly Val Val Val Ile
 50 55 60
 Lys Arg Arg Ser Gly Gln Arg Lys Pro Ala Thr Ser Tyr Val Arg Thr
 65 70 75 80
 Thr Ile Asn Lys Asn Ala Arg Ala Thr Leu Ser Ser Ile Arg His Met
 85 90 95
 Ile Arg Lys Asn Lys Tyr Arg Pro Asp Leu Arg Met Leu Xaa Gly Lys
 100 105 110

Gly Leu Xaa Xaa Ser Arg Leu
115

<210> 8093
<211> 432
<212> PRT
<213> Homo sapiens

<400> 8093
Met Ser Ala His Leu Gln Trp Met Val Val Arg Asn Cys Ser Ser Phe
1 5 10 15
Leu Ile Lys Arg Asn Lys Gln Thr Tyr Ser Thr Glu Pro Asn Asn Leu
20 25 30
Lys Ala Arg Asn Ser Phe Arg Tyr Asn Gly Leu Ile His Arg Lys Thr
35 40 45
Val Gly Val Glu Pro Ala Ala Asp Gly Lys Gly Val Val Val Val Ile
50 55 60
Lys Arg Arg Ser Gly Gln Arg Lys Pro Ala Thr Ser Tyr Val Arg Thr
65 70 75 80
Thr Ile Asn Lys Asn Ala Arg Ala Thr Leu Ser Ser Ile Arg His Met
85 90 95
Ile Arg Lys Asn Lys Tyr Arg Pro Asp Leu Arg Met Ala Ala Ile Arg
100 105 110
Arg Pro Ala Pro Ser Cys Ala Ala Glu Ala Cys Asp Gly Glu Glu Glu
115 120 125
Ala Asp Pro Pro His Gln Glu Leu Leu Ser Pro Leu Pro Pro Glu Gln
130 135 140

<210> 8094
<211> 336
<212> PRT
<213> Homo sapiens

<400> 8094
Met Leu Trp Ala Asn Ser Asn Ser Asn Gly Leu Ile His Arg Lys Thr
1 5 10 15
Val Gly Val Glu Pro Xaa Ala Asp Gly Lys Gly Val Val Val Val Xaa
20 25 30
Lys Arg Arg Ser Gly Gln Ala Glu Ala Gly Xaa Leu Leu Cys Ala Asp
35 40 45
His His Gln Gln Glu Cys Ser Arg Xaa Ala Gln Gln His Gln Thr Xaa
50 55 60
Ile Arg Lys Asn Lys Tyr Arg Pro Asp Leu Arg Met Ala Ala Ile Arg
65 70 75 80
Arg Pro Ala Pro Ser Cys Ala Ala Glu Ala Cys Asp Gly Glu Glu Glu
85 90 95
Ala Asp Pro Pro His Gln Glu Leu Leu Ser Pro Leu Pro Pro Glu Gln
100 105 110

<210> 8095
<211> 360
<212> PRT
<213> Homo sapiens

<400> 8095

Met Leu Lys Lys Cys Leu Lys Lys Tyr Trp Gly Glu Gly Asn Ser Ser
 1 5 10 15
 Gln Gln Asp Cys Gly His Tyr Trp Ser Tyr Tyr Phe Asp Val Pro Trp
 20 25 30
 Lys Ala Gln Lys Ser Ser Lys Glu Asp Ile Ser Tyr Phe Asp Leu His
 35 40 45
 Xaa Phe Leu Lys Glu Lys Trp Ser Leu Pro Pro Val Gln Phe Thr Arg
 50 55 60
 Ala Phe Ser Leu Pro Cys Pro Pro Phe Leu Val Ala Val Ala Arg Lys
 65 70 75 80
 Asp Ala Glu Ala Val Trp Phe Thr Lys Cys Leu Asn Leu Ala Val Asn
 85 90 95
 Asp Asn Cys Gln Thr His Val Glu Gly Xaa Phe Leu Leu Ile His Lys
 100 105 110
 Lys Glu Asp Ser Leu Pro Thr Ser
 115 120

<210> 8096

<211> 441

<212> PRT

<213> Homo sapiens

<400> 8096

Met Asn Arg Ser Arg Gln Val Thr Cys Val Ala Trp Val Arg Cys Gly
 1 5 10 15
 Val Ala Lys Glu Thr Pro Asp Lys Val Glu Leu Ser Lys Glu Glu Val
 20 25 30
 Lys Arg Leu Ile Ala Glu Ala Lys Glu Lys Leu Gln Glu Glu Gly Gly
 35 40 45
 Gly Ser Asp Glu Glu Glu Thr Gly Ser Pro Ser Glu Asp Gly Met Gln
 50 55 60
 Ser Ala Arg Thr Gln Ala Arg Pro Arg Glu Pro Leu Glu Asp Gly Asp
 65 70 75 80
 Pro Glu Asp Asp Arg Thr Leu Asp Asp Asp Glu Leu Ala Glu Tyr Asp
 85 90 95
 Leu Asp Lys Tyr Asp Glu Glu Gly Asp Pro Asp Ala Glu Thr Leu Gly
 100 105 110
 Glu Ser Leu Leu Gly Leu Thr Val Tyr Gly Ser Asn Asp Gln Asp Pro
 115 120 125
 Tyr Val Thr Leu Lys Asp Thr Ser Met Thr Phe Phe Ser Ser His Leu
 130 135 140
 Gly Thr Ile
 145

<210> 8097

<211> 348

<212> PRT

<213> Homo sapiens

<400> 8097

Met Lys His Tyr Glu Val Glu Ile Leu Asp Ala Lys Thr Arg Glu Lys
 1 5 10 15
 Leu Cys Phe Leu Asp Lys Val Glu Pro His Ala Thr Ile Ala Glu Ile

20 25 30
 Lys Asn Leu Phe Thr Lys Thr His Pro Gln Trp Tyr Pro Ala Arg Gln
 35 40 45
 Ser Leu Arg Leu Asp Pro Lys Gly Lys Ser Leu Lys Asp Glu Asp Val
 50 55 60
 Leu Gln Lys Leu Pro Val Gly Thr Thr Ala Thr Leu Tyr Phe Arg Asp
 65 70 75 80
 Leu Gly Ala Gln Ile Ser Trp Val Thr Val Phe Leu Thr Glu Tyr Ala
 85 90 95
 Gly Pro Phe Ser Ser Thr Cys Ser Ser Thr Ser Glu Cys Pro Ser Ser
 100 105 110
 Met Ala Gln Ile
 115

<210> 8098
 <211> 393
 <212> PRT
 <213> Homo sapiens

<400> 8098
 Met Ile Leu Gln Glu Thr Lys Xaa Ala Cys Xaa Ile Pro Ala Ile Pro
 1 5 10 15
 His Cys Ser Arg Val Glu Ile Leu Asp Ala Lys Thr Arg Glu Xaa Leu
 20 25 30
 Cys Phe Leu Asp Lys Val Glu Pro His Ala Thr Ile Ala Glu Ile Lys
 35 40 45
 Asn Leu Phe Thr Lys Thr His Pro Gln Trp Tyr Pro Ala Arg Gln Ser
 50 55 60
 Leu Arg Leu Asp Pro Lys Gly Lys Ser Leu Lys Asp Glu Asp Val Leu
 65 70 75 80
 Gln Lys Leu Pro Val Gly Thr Thr Ala Thr Leu Tyr Phe Arg Asp Leu
 85 90 95
 Gly Ala Gln Ile Ser Trp Val Thr Val Phe Leu Thr Glu Tyr Ala Gly
 100 105 110
 Pro Phe Ser Ser Thr Cys Ser Ser Thr Ser Glu Cys Pro Ser Ser Met
 115 120 125
 Ala Gln Ile
 130

<210> 8099
 <211> 324
 <212> PRT
 <213> Homo sapiens

<400> 8099
 Met Val Asn Leu Gly Leu Ser Arg Val Asp Asp Ala Val Ala Ala Lys
 1 5 10 15
 His Pro Gly Leu Gly Glu Tyr Ala Ala Cys Gln Ser His Ala Phe Met
 20 25 30
 Lys Gly Val Phe Thr Phe Val Thr Gly Thr Gly Met Ala Phe Gly Leu
 35 40 45
 Gln Met Phe Ile Gln Arg Lys Phe Pro Tyr Pro Leu Gln Trp Ser Leu
 50 55 60
 Leu Val Ala Val Val Ala Gly Xaa Val Val Ser Tyr Gly Val Thr Arg

65 70 75 80
 Val Glu Ser Glu Lys Cys Asn Asn Leu Trp Leu Phe Leu Glu Thr Gly
 85 90 95
 Gln Leu Pro Lys Asp Arg Ser Thr Asp Gln Arg Ser
 100 105

<210> 8100
 <211> 303
 <212> PRT
 <213> Homo sapiens

<400> 8100
 Met Val Tyr Leu Val Asn Leu Ser Glu Lys Asp Tyr Ile Arg Lys Lys
 1 5 10 15
 Asn Lys Cys Gly Ala Leu Glu Leu Lys Leu Gln Glu Leu Ser Ala Glu
 20 25 30
 Glu Arg Gln Lys Tyr Leu Glu Ala Asn Met Thr Gln Ser Ala Leu Pro
 35 40 45
 Lys Ile Ile Lys Ala Gly Phe Ala Ala Leu Gln Leu Glu Tyr Phe Phe
 50 55 60
 Thr Ala Xaa Pro Asp Glu Val Arg Ala Trp Thr Ile Arg Lys Gly Thr
 65 70 75 80
 Lys Ala Pro Gln Ala Ala Gly Lys Ile His Thr Asp Phe Glu Lys Gly
 85 90 95
 Phe Ile Trp Leu Lys
 100

<210> 8101
 <211> 372
 <212> PRT
 <213> Homo sapiens

<400> 8101
 Met Ser Tyr Ile Pro Gly Gln Pro Val Thr Ala Val Val Gln Arg Val
 1 5 10 15
 Glu Ile His Lys Leu Arg Gln Gly Glu Asn Leu Ile Leu Gly Phe Ser
 20 25 30
 Ile Gly Gly Gly Ile Asp Gln Asp Pro Ser Gln Asn Pro Phe Ser Glu
 35 40 45
 Asp Lys Thr Asp Lys Gly Ile Tyr Val Thr Arg Val Ser Glu Gly Gly
 50 55 60
 Pro Ala Glu Ile Ala Gly Leu Gln Ile Gly Asp Lys Ile Met Gln Val
 65 70 75 80
 Asn Gly Trp Asp Met Thr Met Val Thr His Asp Gln Ala Arg Lys Arg
 85 90 95
 Leu Thr Lys Arg Ser Glu Glu Val Val Arg Leu Leu Val Thr Arg Gln
 100 105 110
 Ser Leu Gln Lys Ala Val Gln Gln Ser Met Leu Ser
 115 120

<210> 8102
 <211> 312
 <212> PRT
 <213> Homo sapiens

<400> 8102

Met Glu Asp His Gln His Val Pro Ile Asp Ile Gln Thr Ser Lys Leu
 1 5 10 15
 Leu Asp Trp Leu Val Asp Arg Arg His Cys Ser Leu Lys Trp Gln Ser
 20 25 30
 Leu Val Leu Thr Ile Arg Xaa Glu Asp Gln Cys Cys His Pro Gly His
 35 40 45
 Ala Arg Glu Arg Arg Asp Arg Pro Ala Ala Val Trp Val Leu His Ser
 50 55 60
 Leu Leu Ser Leu Pro Lys Asn Pro Gly Pro Ser Gln Arg His Arg Gly
 65 70 75 80
 Leu His Glu Glu Tyr Phe Trp Pro Ile Leu Phe Thr Ala Asp Glu Gly
 85 90 95
 Leu Ala Gly Asp Tyr Ser Ser Val
 100

<210> 8103

<211> 336

<212> PRT

<213> Homo sapiens

<400> 8103

Met Arg Lys Val Val Leu Ile Thr Gly Ala Ser Ser Gly Ile Gly Leu
 1 5 10 15
 Ala Leu Cys Lys Arg Leu Leu Ala Glu Asp Asp Glu Leu His Leu Cys
 20 25 30
 Xaa Ala Cys Arg Asn Met Ser Lys Ala Glu Ala Val Cys Ala Ala Leu
 35 40 45
 Leu Ala Ser His Pro Thr Ala Glu Val Thr Ile Val Gln Val Asp Val
 50 55 60
 Ser Asn Leu Gln Ser Val Phe Arg Ala Ser Lys Glu Leu Lys Gln Arg
 65 70 75 80
 Phe Gln Arg Leu Asp Cys Ile Tyr Leu Asn Ala Gly Ile Met Pro Asn
 85 90 95
 Pro Gln Xaa Ile Ser Lys His Phe Ser Leu Ala Ser Phe Gln Glu Lys
 100 105 110

<210> 8104

<211> 372

<212> PRT

<213> Homo sapiens

<400> 8104

Met Ala Met Ala Glu Gly Glu Arg Thr Glu Cys Ala Glu Pro Pro Arg
 1 5 10 15
 Asp Glu Pro Pro Ala Asp Gly Ala Leu Lys Arg Ala Glu Glu Leu Lys
 20 25 30
 Thr Gln Ala Asn Asp Tyr Phe Lys Ala Lys Asp Tyr Glu Asn Ala Ile
 35 40 45
 Lys Phe Tyr Ser Gln Ala Ile Glu Leu Asn Pro Ser Asn Ala Ile Tyr
 50 55 60
 Tyr Gly Asn Arg Ser Leu Ala Tyr Leu Arg Thr Glu Cys Tyr Gly Tyr
 65 70 75 80

Ala Leu Gly Asp Ala Thr Arg Ala Ile Glu Leu Asp Lys Lys Tyr Ile
 85 90 95
 Lys Gly Tyr Tyr Arg Arg Ala Ala Ser Asn Met Ala Leu Gly Ser Ser
 100 105 110
 Gly Pro Arg Cys Glu Thr Thr Arg Arg Trp Ser Arg
 115 120

<210> 8105
 <211> 393
 <212> PRT
 <213> Homo sapiens

<400> 8105
 Met Ser Asp Ile Glu Glu Val Val Glu Glu Tyr Glu Glu Glu Glu Gln
 1 5 10 15
 Glu Gly Lys Arg Lys Arg Val Xaa Ser Phe Gly Ser Lys Thr Ala Trp
 20 25 30
 Phe Glu Thr Asp Pro Pro Leu Leu Ser Ser Leu Ala Ala Trp Thr Ser
 35 40 45
 Glu Gln Lys Gln Leu Leu Lys Ser Arg Arg Arg Gln Arg Lys Arg Met
 50 55 60
 Leu Lys Gln Arg Leu Arg Pro Arg Arg Pro Gly Gln Lys Lys Met Lys
 65 70 75 80
 Lys Lys Arg Lys Gln Arg Arg Leu Lys Met Ala Gln Trp Arg Ser Pro
 85 90 95
 Asn Gln Ser Pro Gly Arg Ser Cys Pro Thr Xaa Cys Leu Pro Arg Ser
 100 105 110
 Gln Met Glu Arg Glu Trp Thr Xaa Xaa Thr Ser Thr Gly Ser Ala Trp
 115 120 125
 Arg Arg Xaa
 130

<210> 8106
 <211> 312
 <212> PRT
 <213> Homo sapiens

<400> 8106
 Met Asn Thr Phe Gln Asp Gln Ser Gly Ser Ser Ser Asn Arg Glu Pro
 1 5 10 15
 Leu Leu Arg Cys Ser Asp Ala Arg Arg Asp Leu Glu Leu Ala Ile Gly
 20 25 30
 Gly Val Leu Arg Ala Glu Gln Gln Ile Lys Asp Asn Leu Arg Glu Val
 35 40 45
 Lys Ala Gln Ile His Ser Cys Ile Ser Arg His Leu Glu Cys Leu Arg
 50 55 60
 Ser Arg Glu Val Trp Leu Tyr Glu Gln Val Asp Leu Ile Tyr Gln Leu
 65 70 75 80
 Lys Glu Glu Thr Leu Gln Gln Gln Ala Gln Gln Leu Tyr Ser Leu Leu
 85 90 95
 Gly Gln Leu Pro Lys Thr Xaa Ile
 100

<210> 8107

<211> 390
 <212> PRT
 <213> Homo sapiens

<400> 8107

```

Met Ala Ala Ala Asp Gly Asp Asp Ser Leu Tyr Pro Ile Ala Val Leu
1          5          10          15
Ile Asp Glu Leu Arg Asn Glu Asp Val Gln Leu Arg Leu Asn Ser Ile
          20          25          30
Lys Lys Leu Ser Thr Ile Ala Leu Ala Leu Gly Val Glu Arg Thr Arg
          35          40          45
Ser Glu Leu Leu Pro Phe Leu Thr Asp Thr Ile Tyr Asp Glu Asp Glu
          50          55          60
Val Leu Leu Ala Leu Ala Glu Gln Leu Gly Thr Phe Thr Thr Leu Val
65          70          75          80
Gly Gly Pro Glu Tyr Val His Cys Leu Leu Pro Pro Leu Glu Ser Leu
          85          90          95
Ala Thr Val Glu Glu Thr Val Val Arg Asp Lys Ala Val Glu Ser Leu
          100          105          110
Arg Ala Ile Ser His Glu His Ser Pro Ser Asp Leu Glu Ala His Phe
          115          120          125
Val Arg
          130
  
```

<210> 8108
 <211> 306
 <212> PRT
 <213> Homo sapiens

<400> 8108

```

Met Gly Ala Leu Val Ile Arg Gly Ile Arg Asn Phe Asn Leu Glu Asn
1          5          10          15
Arg Ala Glu Arg Glu Ile Ser Lys Met Lys Pro Ser Val Ala Pro Arg
          20          25          30
His Pro Ser Thr Asn Ser Leu Leu Arg Glu Gln Ile Ser Leu Tyr Pro
          35          40          45
Glu Val Lys Gly Glu Ile Ala Arg Lys Asp Glu Lys Leu Leu Ser Phe
          50          55          60
Leu Lys Asp Val Tyr Val Asp Ser Lys Asp Pro Val Ser Ser Leu Gln
65          70          75          80
Val Lys Ala Ala Glu Xaa Cys Gln Glu Pro Lys Asn Ser Asp Cys Arg
          85          90          95
Lys Thr Ile Ile Leu Ile
          100
  
```

<210> 8109
 <211> 375
 <212> PRT
 <213> Homo sapiens

<400> 8109

```

Met Ala Ala Ser Gly Ala Asp Ala Gly Pro Gly Thr Ile Leu Gly Val
1          5          10          15
Thr Lys Gly Ser Ile Thr Ser Ser Val Leu Leu Ala Gly Gly Arg Thr
  
```

		20						25					30				
Gly	Ser	Ala	Gly	Leu	Ser	Arg	Gly	His	Arg	Ala	Leu	His	Thr	His	Arg		
		35					40					45					
Asp	His	Pro	His	Thr	Ala	Ala	Tyr	Leu	Gln	Glu	Leu	Gly	Arg	Met	Arg		
	50					55					60						
Lys	Val	Val	Leu	Glu	Ala	Pro	Asp	Glu	Thr	Thr	Leu	Lys	Glu	Leu	Ala		
65					70					75					80		
Glu	Thr	Leu	Gln	Gln	Lys	Asn	Ile	Asp	His	Met	Leu	Trp	Leu	Glu	Gln		
			85					90						95			
Pro	Glu	Asn	Ile	Ala	Thr	Cys	Ile	Ala	Leu	Arg	Pro	Tyr	Pro	Lys	Glu		
		100						105					110				
Glu	Val	Gly	Gln	Tyr	Leu	Lys	Lys	Phe	Arg	Leu	Phe	Lys					
		115					120					125					

<210> 8110
 <211> 318
 <212> PRT
 <213> Homo sapiens

Met	Asp	Gly	Arg	Val	Gln	Leu	Ile	Lys	Ala	Leu	Leu	Ala	Leu	Pro	Ile		
1				5					10					15			
Arg	Pro	Ala	Thr	Arg	Arg	Trp	Arg	Asn	Pro	Ile	Pro	Phe	Pro	Glu	Thr		
		20					25					30					
Phe	Asp	Gly	Asp	Thr	Asp	Arg	Leu	Pro	Glu	Phe	Ile	Val	Gln	Thr	Gly		
	35					40					45						
Ser	Tyr	Met	Phe	Val	Asp	Glu	Asn	Thr	Phe	Ser	Ser	Asp	Ala	Leu	Lys		
	50				55					60							
Val	Thr	Phe	Leu	Ile	Thr	Arg	Leu	Xaa	Ser	Pro	Pro	Asp	Cys	Gln	Thr		
65				70				75						80			
Thr	Thr	Ser	Phe	Cys	Pro	Gln	Thr	Cys	Ala	Ala	Thr	Ala	Ile	Ala	Ile		
			85					90					95				
Xaa	Arg	Ile	Pro	Pro	Thr	Xaa	Cys	Cys	Ser								
		100						105									

<210> 8111
 <211> 324
 <212> PRT
 <213> Homo sapiens

Met	Arg	Glu	Thr	Ala	Xaa	Arg	Gln	Ser	Met	Lys	Gly	Asp	Trp	His	Gln		
1				5					10					15			
Gln	Phe	Gly	Ser	Pro	Pro	Xaa	Ala	Gly	Gly	Pro	Cys	Arg	Gly	Tyr	Leu		
		20					25					30					
Trp	Arg	Thr	Ala	His	Thr	Pro	Glu	Gly	Ser	Gly	Leu	Asp	Lys	Gly	Gly		
	35					40					45						
Cys	Ser	Ala	Asp	Phe	Asp	Leu	Leu	Trp	Gly	Met	Trp	Ile	Pro	Leu	Arg		
	50				55				60								
Pro	Ala	Pro	Leu	His	Trp	Ser	Trp	Arg	Leu	Ile	Trp	Glu	Ala	Val	Cys		
65				70				75						80			
Ala	Leu	Ala	Pro	Glu	Gly	Thr	Trp	Xaa	Thr	Pro	His	Leu	Glu	Asn	Pro		
			85					90				95					
His	Pro	Glu	His	Ser	Phe	Pro	Gly	Ala	Pro	Leu	Thr						

100

105

<210> 8112
 <211> 384
 <212> PRT
 <213> Homo sapiens

<400> 8112

Met Gly Arg Ser Arg Ser Arg Ser Pro Arg Arg Glu Arg Arg Arg Ser
 1 5 10 15
 Arg Ser Thr Ser Arg Glu Arg Glu Arg Arg Arg Glu Arg Ser Arg
 20 25 30
 Ser Arg Glu Arg Asp Arg Arg Arg Ser Arg Ser Arg Ser Pro His Arg
 35 40 45
 Arg Arg Ser Arg Ser Pro Arg Arg His Arg Ser Thr Ser Pro Ser Pro
 50 55 60
 Ser Arg Leu Lys Glu Arg Arg Asp Glu Glu Lys Lys Glu Thr Lys Glu
 65 70 75 80
 Thr Lys Ser Lys Glu Arg Xaa Ile Thr Glu Glu Asp Leu Glu Gly Lys
 85 90 95
 Thr Glu Xaa Glu Ile Xaa Met Met Lys Leu Xaa Gly Ile Cys Ser Phe
 100 105 110
 Xaa Ser Thr Lys Gly Lys Lys Val Asp Gly Ser Val Asn Ala Tyr Ala
 115 120 125

<210> 8113
 <211> 558
 <212> PRT
 <213> Homo sapiens

<400> 8113

Met Pro Arg Phe Pro Pro Thr Leu Ile Phe Ser Gly Ser Gln Val Arg
 1 5 10 15
 Phe Ser Ala Pro Pro Asn Ser Leu Val Ser Phe Phe Asp Ala Ser Leu
 20 25 30
 Pro Gly Thr Leu Pro Val Leu Asn Arg Xaa Cys Val Glu Ala Ala Val
 35 40 45
 Met Thr Gly Leu Ala Leu Asn Cys His Ile Asn Lys Lys Ser Leu Phe
 50 55 60
 Asp Arg Lys His Tyr Phe Tyr Ala Asp Leu Pro Ala Gly Tyr Gln Ile
 65 70 75 80
 Thr Gln Gln Arg Leu Pro Ile Ala Val Asn Gly Ser Leu Ile Tyr Gly
 85 90 95
 Val Cys Ala Gly Lys Lys Gln Ser Gln Val Ile Pro Lys Thr Val Arg
 100 105 110
 Ile Lys Gln Ile Gln Leu Glu Gln Asp Ser Gly Lys Ser Leu His Asp
 115 120 125
 Asn Leu Arg Ser Gln Thr Leu Ile Asp Leu Asn Arg Ala Gly Val Gly
 130 135 140
 Leu Leu Glu Val Val Leu Xaa Pro Asp Met Ser Cys Gly Glu Glu Xaa
 145 150 155 160
 Ala Thr Ala Val Arg Glu Leu Gln Leu Ile Xaa Xaa Ala Leu Gly Asn
 165 170 175
 Gln Pro Xaa Glu His Gly Arg Gly Pro Ser

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180

185

<210> 8114
 <211> 318
 <212> PRT
 <213> Homo sapiens

<400> 8114
 Met Ala Thr Val Thr Ala Thr Thr Lys Val Pro Glu Ile Arg Asp Val
 1 5 10 15
 Thr Arg Ile Glu Arg Ile Gly Ala His Ser His Ile Arg Gly Leu Gly
 20 25 30
 Leu Asp Asp Ala Leu Glu Pro Arg Gln Ala Ser Gln Gly Met Val Gly
 35 40 45
 Gln Leu Ala Ala Arg Arg Ala Ala Gly Val Val Leu Glu Met Ile Arg
 50 55 60
 Glu Gly Lys Ile Ala Gly Arg Ala Val Leu Ile Ala Gly Gln Pro Gly
 65 70 75 80
 Thr Gly Lys Thr Ala Ile Ala Met Gly Met Ala Gln Ala Leu Gly Pro
 85 90 95
 Xaa His Ala Ile His Ser His Arg Arg Gln
 100 105

<210> 8115
 <211> 318
 <212> PRT
 <213> Homo sapiens

<400> 8115
 Met Ser Thr Asn Asn Met Ser Asp Pro Arg Arg Pro Asn Lys Val Leu
 1 5 10 15
 Arg Tyr Lys Pro Pro Pro Ser Glu Cys Asn Pro Ala Leu Asp Asp Pro
 20 25 30
 Thr Pro Asp Tyr Met Asn Leu Leu Gly Met Ile Phe Ser Met Cys Gly
 35 40 45
 Leu Met Leu Lys Leu Lys Trp Cys Ala Trp Val Ala Val Tyr Cys Ser
 50 55 60
 Phe Ile Ser Phe Ala Asn Ser Arg Ser Ser Glu Asp Thr Lys Gln Met
 65 70 75 80
 Met Ser Ser Phe Met Leu Ser Ile Ser Ala Val Val Met Ser Tyr Leu
 85 90 95
 Gln Asn Pro Gln Pro Met Thr Pro Pro Trp
 100 105

<210> 8116
 <211> 366
 <212> PRT
 <213> Homo sapiens

<400> 8116
 Met Ala Ala Pro Val Asp Leu Glu Leu Lys Lys Ala Phe Thr Glu Leu
 1 5 10 15
 Gln Ala Lys Val Ile Asp Thr Gln Gln Lys Val Lys Leu Ala Asp Ile
 20 25 30

Gln Ile Glu Gln Leu Asn Arg Thr Lys Lys His Ala His Leu Thr Asp
 35 40 45
 Thr Glu Ile Met Thr Leu Val Asp Glu Thr Asn Met Tyr Glu Gly Val
 50 55 60
 Gly Arg Met Phe Ile Leu Gln Ser Lys Glu Ala Ile His Ser Gln Leu
 65 70 75 80
 Leu Glu Lys Gln Lys Ile Ala Glu Glu Lys Ile Lys Glu Leu Glu Gln
 85 90 95
 Lys Lys Ser Tyr Leu Glu Arg Arg Leu Lys Glu Ala Glu Asp Asn Ile
 100 105 110
 Arg Glu Met Leu Met Ala Arg Arg Ala Lys
 115 120

<210> 8117
 <211> 387
 <212> PRT
 <213> Homo sapiens

<400> 8117
 Met Glu Asp Leu Leu Asp Leu Asp Glu Glu Leu Arg Tyr Ser Leu Ala
 1 5 10 15
 Thr Ser Arg Ala Lys Met Gly Arg Arg Ala Gln Gln Glu Ser Ala Gln
 20 25 30
 Ala Glu Asn His Leu Asn Gly Lys Asn Ser Ser Leu Thr Leu Thr Gly
 35 40 45
 Glu Thr Ser Ser Ala Lys Leu Pro Arg Cys Arg Gln Gly Gly Trp Ala
 50 55 60
 Gly Asp Ser Val Lys Ala Ser Lys Phe Arg Arg Lys Ala Ser Glu Glu
 65 70 75 80
 Ile Glu Asp Phe Arg Leu Arg Pro Gln Ser Leu Asn Gly Ser Asp Tyr
 85 90 95
 Gly Gly Asp Ile Pro Ile Ile Pro Asp Leu Glu Glu Val Gln Xaa Glu
 100 105 110
 Asp Phe Val Leu Gln Val Ala Ala Pro Ser Gln His Pro Asp Lys Ser
 115 120 125
 Gly

<210> 8118
 <211> 372
 <212> PRT
 <213> Homo sapiens

<400> 8118
 Met Gln Lys Glu Ile Thr Leu Pro Ser Arg Leu Ile Tyr Tyr Ile Asn
 1 5 10 15
 Gln Asp Ser Glu Ser Pro Tyr His Val Leu Asp Thr Lys Ala Arg His
 20 25 30
 Gln Gln Lys His Asn Lys Ala Val His Leu Ala Gln Ala Ser Phe Gln
 35 40 45
 Ile Glu Ala Phe Gly Ser Lys Phe Ile Leu Asp Leu Ile Leu Asn Asn
 50 55 60
 Gly Leu Leu Ser Ser Asp Tyr Val Glu Ile His Tyr Glu Asn Gly Lys
 65 70 75 80
 Pro Gln Tyr Ser Lys Gly Gly Glu His Cys Tyr Tyr His Gly Ser Ile

				85					90					95					
Arg	Gly	Val	Lys	Asp	Ser	Lys	Gly	Gly	Ser	Val	Asn	Leu	Gln	Trp	Thr				
			100					105					110						
Ser	Arg	Asp	Gly	Arg	Lys	Arg	Glu	Thr	Pro	Ser	Ile								
		115					120												

<210> 8119
 <211> 345
 <212> PRT
 <213> Homo sapiens

<400> 8119

Met	Ser	Arg	Val	Leu	Val	Pro	Cys	His	Val	Lys	Xaa	Ser	Val	Ala	Leu				
1				5					10					15					
Gln	Val	Gly	Asp	Val	Arg	Thr	Ser	Gln	Gly	Arg	Pro	Gly	Val	Leu	Val				
			20					25					30						
Ile	Xaa	Xaa	Thr	Phe	Xaa	Ser	Val	Xaa	Pro	Phe	Glu	Xaa	Gln	Glu	Ile				
		35				40					45								
Thr	Phe	Lys	Asn	Tyr	Tyr	Thr	Ala	Phe	Leu	Ser	Ile	Arg	Val	Arg	Xaa				
	50					55				60									
Tyr	Thr	Ser	Ala	His	Thr	Pro	Ala	Lys	Trp	Val	Thr	Cys	Leu	Arg	Asp				
65				70					75					80					
Tyr	Cys	Leu	Met	Pro	Asp	Pro	His	Ser	Glu	Glu	Gly	Ala	Gln	Glu	Tyr				
			85					90					95						
Val	Ser	Leu	Phe	Xaa	His	Gln	Met	Leu	Xaa	Thr	Trp	Leu	Glu	Tyr	Arg				
			100					105					110						
Xaa	Tyr	Ala																	
		115																	

<210> 8120
 <211> 345
 <212> PRT
 <213> Homo sapiens

<400> 8120

Met	Glu	Phe	Pro	Phe	Asp	Val	Asp	Ala	Leu	Phe	Pro	Glu	Arg	Ile	Thr				
1			5					10					15						
Val	Leu	Asp	Gln	His	Leu	Arg	Pro	Pro	Ala	Arg	Arg	Pro	Gly	Thr	Thr				
			20					25					30						
Thr	Pro	Ala	Arg	Val	Asp	Leu	Gln	Gln	Ile	Met	Thr	Ile	Ile	Asp					
		35				40					45								
Glu	Leu	Gly	Lys	Ala	Ser	Ala	Lys	Ala	Gln	Asn	Leu	Ser	Ala	Pro	Ile				
	50				55				60										
Thr	Ser	Ala	Ser	Arg	Met	Gln	Ser	Asn	Arg	His	Val	Val	Xaa	Ile	Leu				
65				70					75					80					
Lys	Asp	Ser	Ser	Ala	Arg	Pro	Ala	Gly	Lys	Gly	Xaa	Ile	Ile	Gly	Phe				
			85					90					95						
Xaa	Lys	Trp	Asp	Thr	Arg	Ser	Ser	Leu	Tyr	Trp	Met	Ile	Val	Xaa	Leu				
			100					105					110						
Ile	Met	Arg																	
		115																	

<210> 8121
 <211> 417

<212> PRT
<213> Homo sapiens

<400> 8121

Met	Val	Val	Tyr	Lys	Thr	Asp	Gly	Lys	Lys	Val	Tyr	Tyr	Pro	Ala	Asp
1				5					10					15	
Pro	Pro	Pro	Tyr	Ile	Asp	Gly	Ile	Arg	Ile	Asn	Ser	Pro	His	Tyr	Leu
			20					25					30		
Thr	Lys	Ile	Lys	Leu	Thr	Thr	Pro	Gly	Thr	His	Thr	Phe	Thr	Leu	Val
		35					40					45			
Val	Ser	Gln	Tyr	Glu	Lys	Gln	Asn	Thr	Ile	His	Tyr	Thr	Val	Arg	Val
	50					55					60				
Tyr	Ser	Ala	Cys	Ser	Phe	Thr	Phe	Ser	Lys	Ile	Pro	Ser	Pro	Tyr	Thr
65					70					75					80
Leu	Ser	Lys	Arg	Ile	Asn	Gly	Lys	Trp	Ser	Gly	Gln	Ser	Ala	Gly	Gly
				85				90						95	
Cys	Gly	Asn	Phe	Gln	Glu	Thr	His	Lys	Asn	Asn	Pro	Ile	Tyr	Gln	Phe
			100					105					110		
His	Ile	Glu	Lys	Thr	Gly	Pro	Leu	Leu	Ile	Glu	Leu	Arg	Gly	Pro	Xaa
		115					120						125		
Arg	Ser	Trp	Ser	Pro	Trp	Leu	Ser	Glu	Glu	Ile					
		130					135								

<210> 8122
<211> 342
<212> PRT
<213> Homo sapiens

<400> 8122

Met	Ala	Glu	Asp	Val	Ser	Ser	Ala	Ala	Pro	Ser	Pro	Arg	Gly	Cys	Ala
1				5					10					15	
Asp	Gly	Arg	Asp	Ala	Asp	Pro	Thr	Glu	Glu	Gln	Met	Ala	Glu	Thr	Glu
			20					25					30		
Arg	Asn	Asp	Glu	Glu	Gln	Phe	Glu	Cys	Gln	Glu	Leu	Leu	Glu	Cys	Gln
		35					40						45		
Val	Gln	Val	Gly	Ala	Pro	Glu	Glu	Glu	Glu	Glu	Glu	Xaa	Asp	Ala	
	50					55					60				
Gly	Leu	Val	Ala	Glu	Ala	Glu	Ala	Val	Ala	Ala	Gly	Trp	Met	Leu	Asp
65					70					75					80
Phe	Leu	Cys	Leu	Ser	Leu	Cys	Arg	Ala	Phe	Arg	Asp	Gly	Arg	Ser	Glu
				85				90						95	
Asp	Phe	Arg	Arg	Pro	Ala	Thr	Ala	Gln	Arg	Leu	Leu	Phe	Met	Asp	Tyr
			100					105					110		
Pro	Val														

<210> 8123
<211> 309
<212> PRT
<213> Homo sapiens

<400> 8123

Met	Ala	Gly	Leu	Thr	Asp	Leu	Gln	Arg	Leu	Gln	Ala	Arg	Val	Glu	Glu
1				5					10					15	
Leu	Glu	Arg	Trp	Val	Tyr	Gly	Pro	Gly	Gly	Ala	Arg	Gly	Ser	Arg	Lys

20 25 30
 Val Ala Asp Gly Leu Val Lys Val Gln Val Ala Leu Gly Asn Ile Ser
 35 40 45
 Ser Lys Arg Glu Arg Val Lys Ile Leu Tyr Lys Lys Ile Glu Asp Leu
 50 55 60
 Ile Lys Tyr Leu Asp Pro Glu Tyr Ile Asp Arg Ile Ala Ile Pro Asp
 65 70 75 80
 Ala Ser Lys Leu Gln Phe Ile Leu Ala Glu Glu Gln Phe Ile Leu Ser
 85 90 95
 Xaa Val Ala Leu Leu Ser Arg
 100

<210> 8124
 <211> 375
 <212> PRT
 <213> Homo sapiens

<400> 8124
 Met Gly Leu Ala Gly Val Cys Ala Leu Arg Arg Ser Ala Gly Tyr Ile
 1 5 10 15
 Leu Val Gly Gly Ala Gly Gly Gln Ser Ala Ala Ala Ala Arg Arg
 20 25 30
 Cys Ser Glu Gly Glu Trp Ala Ser Gly Gly Val Arg Ser Phe Ser Arg
 35 40 45
 Ala Ala Ala Ala Met Ala Pro Ile Lys Val Gly Asp Ala Ile Pro Ala
 50 55 60
 Val Glu Val Phe Glu Gly Glu Pro Gly Asn Lys Val Asn Leu Ala Xaa
 65 70 75 80
 Leu Phe Lys Gly Lys Lys Gly Val Leu Phe Gly Val Pro Gly Ala Phe
 85 90 95
 Thr Pro Gly Cys Ser Lys Thr His Leu Pro Gly Phe Val Glu Gln Ala
 100 105 110
 Glu Ala Leu Lys Ala Lys Gly Val Gln Val Val Ala Val
 115 120 125

<210> 8125
 <211> 306
 <212> PRT
 <213> Homo sapiens

<400> 8125
 Met Gly Lys Arg Asp Asn Arg Val Ala Tyr Met Asn Pro Ile Ala Met
 1 5 10 15
 Ala Arg Ser Arg Gly Pro Ile Gln Ser Ser Gly Pro Thr Ile Gln Asp
 20 25 30
 Tyr Leu Asn Arg Pro Arg Pro Thr Trp Glu Glu Val Lys Glu Gln Leu
 35 40 45
 Glu Lys Lys Lys Lys Gly Ser Lys Ala Leu Ala Glu Phe Glu Glu Lys
 50 55 60
 Met Asn Glu Asn Trp Lys Lys Glu Leu Glu Lys His Arg Glu Lys Leu
 65 70 75 80
 Leu Ser Gly Ser Glu Ser Ser Ser Lys Lys Lys Thr Glu Lys Glu Lys
 85 90 95
 Arg Lys Glu Glu Ile Trp

100

<210> 8126
<211> 324
<212> PRT
<213> Homo sapiens

<400> 8126
Met Ala Ala Val Leu Gln Arg Val Glu Arg Leu Ser Asn Arg Val Val
1 5 10 15
Arg Val Leu Gly Cys Asn Pro Gly Pro Met Thr Leu Gln Gly Thr Asn
20 25 30
Thr Tyr Leu Val Gly Thr Gly Pro Arg Arg Ile Leu Ile Asp Thr Gly
35 40 45
Glu Pro Ala Ile Pro Glu Tyr Ile Ser Cys Leu Lys Gln Ala Leu Thr
50 55 60
Glu Phe Asn Thr Ala Ile Gln Glu Ile Val Val Thr His Trp His Arg
65 70 75 80
Asp His Ser Gly Gly Ile Gly Asp Ile Cys Lys Ser Ile Asn Asn Asp
85 90 95
Thr Thr Tyr Cys Xaa Lys Lys Leu Pro Arg Asn Pro
100 105

<210> 8127
<211> 306
<212> PRT
<213> Homo sapiens

<400> 8127
Met Ser Cys Thr Arg Met Ile Gln Val Leu Asp Pro Arg Pro Leu Thr
1 5 10 15
Ser Ser Val Met Pro Val Asp Val Ala Met Arg Leu Cys Leu Ala His
20 25 30
Ser Pro Pro Val Lys Ser Phe Leu Gly Pro Tyr Asp Glu Phe Gln Arg
35 40 45
Arg His Phe Val Asn Lys Leu Lys Pro Leu Lys Ser Cys Leu Asn Ile
50 55 60
Lys His Lys Ala Lys Ser Pro Pro Asn Ile Ile Xaa Xaa Asp His Ser
65 70 75 80
Leu Pro Leu His Leu Leu Pro Lys Tyr Leu Ser Ala Arg Leu Ala Leu
85 90 95
Ala Ala Asp Leu Thr Ser
100

<210> 8128
<211> 327
<212> PRT
<213> Homo sapiens

<400> 8128
Met Ala Val Ala Arg Leu Ala Ala Val Ala Ala Trp Val Pro Cys Arg
1 5 10 15
Ser Trp Gly Trp Ala Ala Val Pro Phe Gly Pro His Arg Gly Leu Ser
20 25 30

Val Leu Leu Ala Arg Ile Pro Gln Arg Ala Pro Arg Trp Leu Pro Ala
 35 40 45
 Cys Arg Gln Lys Thr Ser Leu Ser Phe Leu Asn Arg Pro Asp Leu Pro
 50 55 60
 Asn Leu Ala Tyr Lys Lys Leu Lys Gly Lys Ser Pro Gly Ile Ile Phe
 65 70 75 80
 Ile Pro Gly Tyr Leu Ser Tyr Met Asn Gly Thr Lys Ala Leu Ala Ile
 85 90 95
 Glu Glu Phe Cys Lys Ser Leu Gly His Ala Cys Ile Arg
 100 105

<210> 8129
 <211> 315
 <212> PRT
 <213> Homo sapiens

<400> 8129
 Met Met Asp Val Ser Gly Val Gly Phe Pro Ser Lys Val Pro Trp Lys
 1 5 10 15
 Lys Met Ser Ala Glu Glu Leu Glu Asn Gln Tyr Cys Pro Ser Arg Trp
 20 25 30
 Val Val Arg Leu Gly Ala Glu Glu Ala Leu Arg Thr Tyr Ser Gln Ile
 35 40 45
 Gly Ile Glu Ala Thr Thr Arg Ala Arg Ala Thr Arg Lys Ser Leu Leu
 50 55 60
 His Val Pro Tyr Gly Asp Gly Glu Gly Glu Lys Val Asp Ile Tyr Phe
 65 70 75 80
 Pro Asp Glu Ser Ser Glu Ala Leu Pro Phe Phe Leu Phe Phe His Gly
 85 90 95
 Gly Tyr Trp Gln Ser Gly Arg Leu Ser
 100 105

<210> 8130
 <211> 327
 <212> PRT
 <213> Homo sapiens

<400> 8130
 Met Glu Val His Gly Lys Pro Lys Ala Ser Pro Ser Cys Ser Ser Pro
 1 5 10 15
 Thr Arg Asp Ser Ser Gly Val Pro Val Ser Lys Glu Leu Leu Thr Ala
 20 25 30
 Gly Lys Pro Thr Ala Ala Xaa Xaa Ile Trp Asp Xaa Leu Leu Ile Asn
 35 40 45
 Ser Gln Pro Lys Ser Arg Lys Thr Ser Thr Leu Gln Xaa Val Arg Ile
 50 55 60
 Glu Arg Ser Pro Leu Leu Asp Gln Val Gln Thr Phe Leu Pro Gln Met
 65 70 75 80
 Ala Arg Ala Asn Glu Lys Leu Arg Lys Glu Met Ala Ala Ala Pro Pro
 85 90 95
 Gly Arg Phe Asn Ile Glu Asn Xaa Asp Gly Pro His Lys
 100 105

<210> 8131

<211> 333
 <212> PRT
 <213> Homo sapiens

<400> 8131

Met	Ser	Ser	Glu	Met	Leu	Pro	Ala	Phe	Ile	Glu	Thr	Ser	Asn	Val	Asp
1				5					10					15	
Lys	Lys	Gln	Gly	Ile	Asn	Glu	Asp	Gln	Glu	Glu	Ser	Gln	Lys	Pro	Arg
		20						25					30		
Leu	Gly	Glu	Gly	Cys	Glu	Pro	Ile	Ser	Lys	Arg	Gln	Met	Lys	Lys	Leu
		35					40					45			
Ile	Lys	Gln	Lys	Gln	Trp	Glu	Glu	Gln	Arg	Glu	Leu	Arg	Lys	Gln	Lys
	50					55				60					
Arg	Lys	Glu	Lys	Arg	Lys	Arg	Lys	Lys	Leu	Glu	Arg	Gln	Cys	Gln	Met
65					70					75					80
Xaa	Pro	Asn	Ser	Asp	Gly	His	Asp	Arg	Lys	Arg	Val	Arg	Arg	Asp	Val
				85					90					95	
Val	His	Ser	Thr	Phe	Ala	Leu	Leu	Leu	Thr	Val	Val	Leu	Ile	Thr	
			100					105					110		

<210> 8132
 <211> 342
 <212> PRT
 <213> Homo sapiens

<400> 8132

Met	Lys	Leu	Glu	Thr	Ser	Ile	Arg	Glu	Leu	His	Glu	Met	Phe	Met	Asp
1				5					10					15	
Met	Ala	Met	Phe	Val	Glu	Thr	Gln	Gly	Glu	Met	Ile	Asn	Asn	Ile	Glu
			20					25					30		
Arg	Asn	Val	Met	Asn	Ala	Thr	Asp	Tyr	Val	Glu	His	Ala	Lys	Glu	Glu
		35				40					45				
Thr	Lys	Lys	Ala	Ile	Lys	Tyr	Gln	Ser	Lys	Ala	Arg	Arg	Lys	Leu	Met
	50				55					60					
Phe	Ile	Ile	Ile	Cys	Val	Ile	Val	Leu	Leu	Val	Ile	Leu	Gly	Ile	Ile
65					70					75					80
Leu	Ala	Xaa	Asn	Ile	Val	Ile	Ala	Thr	Ile	Ser	Gln	Glu	Pro	Phe	Ile
			85						90					95	
Leu	Glu	Thr	Gln	Thr	Thr	Ser	Ala	Thr	Lys	Ser	Ala	Ser	Cys	His	Phe
			100					105					110		

Arg Glu

<210> 8133
 <211> 357
 <212> PRT
 <213> Homo sapiens

<400> 8133

Met	Val	Asp	Lys	Lys	Leu	Val	Val	Val	Phe	Gly	Gly	Thr	Gly	Ala	Gln
1				5					10					15	
Gly	Gly	Ser	Val	Ala	Arg	Thr	Leu	Leu	Glu	Asp	Gly	Thr	Phe	Lys	Val
			20					25					30		
Arg	Val	Val	Thr	Arg	Asn	Pro	Arg	Lys	Lys	Ala	Ala	Lys	Glu	Leu	Arg
			35				40					45			

Leu Gln Gly Ala Glu Val Val Gln Gly Asp Gln Asp Asp Gln Val Ile
 50 55 60
 Met Glu Leu Ala Leu Asn Gly Ala Tyr Ala Thr Phe Ile Val Thr Asn
 65 70 75 80
 Tyr Trp Glu Ser Cys Ser Gln Glu Gln Glu Val Lys Gln Gly Lys Leu
 85 90 95
 Leu Ala Asp Leu Ala Arg Arg Leu Gly Leu His Tyr Val Ser Thr Ala
 100 105 110
 Ala Trp Arg Thr Ser Arg Ser
 115

<210> 8134
 <211> 309
 <212> PRT
 <213> Homo sapiens

<400> 8134
 Met Phe Leu Ile Pro Leu Gly Asn Ser Leu Thr Leu Phe Cys Ile Leu
 1 5 10 15
 Phe Tyr Ser Phe His His Lys Thr Ala Ile Ala Tyr Phe Trp Ala Arg
 20 25 30
 Ala Ile Ile Gln Thr Leu Ile Leu Gln Thr Leu Leu Leu Leu Met Asn
 35 40 45
 Ser Ser Leu Ile Asp Cys Arg Val Val His Tyr Tyr Leu Phe Leu Gln
 50 55 60
 Val Ser Gln Asp His Pro Ser Ala Cys Pro Thr Thr Arg Tyr Leu Gln
 65 70 75 80
 Leu Ser His Phe Leu Ile Xaa Ser Leu Gln Gln Ser Leu Tyr Ile Tyr
 85 90 95
 Ser Ile Val Thr His Cys Ile
 100

<210> 8135
 <211> 315
 <212> PRT
 <213> Homo sapiens

<400> 8135
 Met Asp Phe Thr Glu Ala Tyr Ala Asp Thr Cys Ser Thr Val Gly Leu
 1 5 10 15
 Ala Ala Arg Glu Gly Asn Val Lys Val Leu Arg Lys Leu Leu Lys Lys
 20 25 30
 Gly Arg Ser Val Asp Val Ala Asp Asn Arg Gly Trp Met Pro Ile His
 35 40 45
 Glu Ala Ala Tyr His Asn Ser Val Glu Cys Leu Gln Met Leu Ile Asn
 50 55 60
 Ala Asp Ser Ser Glu Asn Tyr Ile Lys Met Lys Thr Phe Glu Gly Phe
 65 70 75 80
 Cys Ala Leu His Leu Gly Cys Lys Ser Arg Thr Leu Glu Asn Arg Thr
 85 90 95
 Asp Ser Phe Arg Ser Trp Gly Arg Ser
 100 105

<210> 8136

<211> 363
 <212> PRT
 <213> Homo sapiens

<400> 8136
 Met Lys Glu Ala Gly Gln Met Gln Asn Leu Glu Ser Ala Arg Ala Gly
 1 5 10 15
 Arg Ser Val Ser Thr Gln Thr Gly Ser Met Thr Gly Gln Ile Pro Arg
 20 25 30
 Leu Ser Lys Val Asn Leu Phe Thr Leu Leu Ser Leu Trp Met Glu Leu
 35 40 45
 Phe Pro Ala Glu Ala Gln Arg Gln Lys Ser Gln Lys Asn Glu Glu Gly
 50 55 60
 Lys His Gly Pro Leu Gly Asp Asn Glu Glu Arg Thr Arg Val Ser Thr
 65 70 75 80
 Asp Lys Arg Gln Val Lys Arg Thr Gly Leu Val Val Val Lys Asn Met
 85 90 95
 Lys Ile Val Gly Leu His Cys Ser Ser Glu Asp Leu His Ala Gly Gln
 100 105 110
 Ile Ala Leu Ile Lys His Gly Ser Xaa
 115 120

<210> 8137
 <211> 339
 <212> PRT
 <213> Homo sapiens

<400> 8137
 Met Tyr Thr Arg Glu Ala Ala His Lys Leu Thr Gly Arg Gly Ser Ser
 1 5 10 15
 Ser Val Tyr Ala Leu Leu Gly Asn Cys Val Ser Ala Ala Gly Gln Arg
 20 25 30
 Ala Met Phe Pro Gly Glu Glu Ile Gly Gln Ala Gly Leu Pro Ile Ala
 35 40 45
 Phe Leu Lys Ile Leu Glu Thr Leu Ser Phe Ile Glu Leu Arg His Cys
 50 55 60
 Pro Pro Leu Ile Ser Ser Lys Thr Pro Val Thr Arg Leu Lys Pro Cys
 65 70 75 80
 Leu Val Phe Arg Arg Ser Met Gly Pro Arg Leu Lys Glu Pro Ala Pro
 85 90 95
 Leu Leu Arg Ala Thr Val Thr Thr Leu Arg Glu Asn Thr Ala Pro Ile
 100 105 110
 Ser

<210> 8138
 <211> 339
 <212> PRT
 <213> Homo sapiens

<400> 8138
 Met Phe Glu Ile Cys Ser Gly Ile Asn Thr Arg Tyr Lys Asn Thr Lys
 1 5 10 15
 Ala Ser Thr Lys Gln Lys Gln Ile Ser Glu Leu Ser Gln Arg Thr Thr
 20 25 30

Asn Arg Arg Asp Arg Arg Asp Arg Arg Ala Arg Leu Leu His Phe Asn
 35 40 45
 Lys Ala Gly Leu Pro Met Leu Asn Thr Leu Met Glu Val Thr Glu Leu
 50 55 60
 Asn Pro Gly Gly Ser Val Phe Asn Leu Met Ala Ser Cys Asn Thr Gln
 65 70 75 80
 Val Ala Ala Leu Ile Ser Gln Trp Leu Lys Leu Cys Ile Pro Thr Ser
 85 90 95
 Ser Thr Arg Thr Phe Ala Ser Ser Thr Gln Asn Arg Lys Ala Ser Val
 100 105 110
 Pro

<210> 8139
 <211> 363
 <212> PRT
 <213> Homo sapiens

<400> 8139
 Met Lys His Phe Tyr Thr Leu Lys Cys Arg Ser Met Leu Glu Ile Tyr
 1 5 10 15
 Ser Cys Tyr Gln Ser Ser Ile Lys Cys Leu Pro Leu Gly Lys Asn Asp
 20 25 30
 Thr Leu Val Asn Pro Asn Met Pro Arg Tyr Pro Leu Cys Ile Leu Arg
 35 40 45
 Arg Met Phe Leu Phe Lys Leu Ile Ile Val Leu Ser Ile Lys His Leu
 50 55 60
 Thr Ser Val Val Thr Ser Gly Phe Lys Ser Pro Xaa Xaa Pro Trp Gly
 65 70 75 80
 Thr Gln Ser His Gln Arg Asn Phe Glu Arg Ser Ser Gln Leu Leu Ser
 85 90 95
 Thr Ile Glu Gly Arg Asn Arg Ile Arg Asn Arg Ser Leu Ile Lys His
 100 105 110
 Met Asn Lys Leu Asn Pro Leu Leu Ile
 115 120

<210> 8140
 <211> 345
 <212> PRT
 <213> Homo sapiens

<400> 8140
 Met Val Ser Arg Val Gln Leu Pro Pro Glu Ile Gln Leu Ala Gln Arg
 1 5 10 15
 Leu Ala Gly Asn Glu Gln Val Thr Arg Asp Arg Ala Val Arg Lys Leu
 20 25 30
 Arg Lys Tyr Ile Val Ala Arg Thr Gln Arg Ala Ala Gly Gly Phe Thr
 35 40 45
 His Asp Glu Leu Leu Lys Val Trp Lys Gly Leu Phe Tyr Cys Met Trp
 50 55 60
 Met Gln Asp Lys Pro Leu Leu Gln Glu Glu Leu Gly Arg Thr Ile Ser
 65 70 75 80
 Gln Leu Val His Ala Phe Gln Thr Thr Glu Ala Xaa Thr Cys Ser Phe
 85 90 95
 Arg Pro Ser Gly Arg Pro Xaa Ile Ala Ser Gly Arg Ala Leu Thr Gly

100
Cys Ala Gly
115

105

110

<210> 8141
<211> 417
<212> PRT
<213> Homo sapiens

<400> 8141
Met Glu Xaa Met Gly Cys Arg Phe Tyr His Ala Ala Ser Ile Ala Ala
1 5 10 15
Arg Ala Xaa Ser Tyr Met Ala Tyr Met Thr Gln Tyr Gln Arg Lys Leu
20 25 30
Trp Xaa Asp Ile Xaa Asp Leu Val His Asp Pro Glu Phe Asp Arg Gly
35 40 45
Xaa Ala Arg Cys Ile Ile Ser Asp Gly Met Asp Ala Gly Leu Trp Gln
50 55 60
Leu Cys Thr Thr Arg Asp Ile Met Asp Ser Val Val Arg Val Met Ala
65 70 75 80
Met Ala Ile Asp Tyr Arg Arg Gln Ala Trp Leu Arg Leu Thr Ser Leu
85 90 95
Thr Lys Lys Thr Xaa Glu Xaa Ile Ser His Leu Pro Phe Asp Gly Xaa
100 105 110
Ser Leu Phe Gly Gln Asp Val Lys Ala Val Val Ala Glu Asp Asn Asn
115 120 125
Xaa Xaa Xaa Asn Asp Tyr Xaa Asp Xaa Xaa Tyr
130 135

<210> 8142
<211> 324
<212> PRT
<213> Homo sapiens

<400> 8142
Met Glu Leu Thr Gly Asp Ser Met Glu Val Lys Pro Ile Met Thr Ile
1 5 10 15
Lys Leu Arg Arg Arg Pro Asn Asp Pro Val Pro Ile Pro Asp Lys Arg
20 25 30
Arg Lys Pro Ala Pro Ala Gln Leu Asn Tyr Leu Leu Thr Asp Glu Gln
35 40 45
Ile Met Glu Asp Leu Arg Thr Leu Asn Lys Leu Lys Ser Pro Lys Arg
50 55 60
Pro Ala Ser Pro Ser Ser Pro Glu His Leu Pro Ala Thr Pro Ala Glu
65 70 75 80
Ser Pro Ala Gln Lys Phe Glu Ala Arg Ile Glu Asp Gly Lys Leu Tyr
85 90 95
Tyr Asp Gln Arg Trp Tyr Val Xaa Gly Asn Leu Asp
100 105

<210> 8143
<211> 321
<212> PRT
<213> Homo sapiens

<400> 8143

Met	Gln	Arg	Ala	Ser	Arg	Leu	Lys	Arg	Glu	Leu	His	Met	Leu	Ala	Thr
1				5					10					15	
Glu	Pro	Pro	Pro	Gly	Ile	Thr	Cys	Trp	Gln	Asp	Lys	Asp	Gln	Met	Asp
			20					25					30		
Asp	Leu	Arg	Ala	Gln	Ile	Leu	Gly	Gly	Ala	Asn	Thr	Pro	Tyr	Glu	Lys
		35					40					45			
Gly	Val	Phe	Lys	Leu	Glu	Val	Ile	Ile	Pro	Glu	Arg	Tyr	Pro	Phe	Glu
	50					55					60				
Pro	Pro	Gln	Ile	Arg	Phe	Leu	Thr	Pro	Ile	Tyr	His	Pro	Asn	Ile	Asp
65				70						75					80
Ser	Ala	Gly	Arg	Ile	Cys	Leu	Asp	Val	Leu	Asn	Cys	His	Gln	Lys	Val
				85					90					95	
Leu	Gly	Asp	His	Pro	Ser	Thr	Ser	Gln	Leu	Cys					
			100					105							

<210> 8144

<211> 306

<212> PRT

<213> Homo sapiens

<400> 8144

Met	Ala	Ile	Thr	Lys	Lys	Ser	Gly	Asn	Asn	Arg	Cys	Trp	Arg	Gly	Cys
1				5					10					15	
Gly	Xaa	Ile	Gly	Thr	Leu	Leu	His	Cys	Trp	Trp	Asp	Cys	Lys	Leu	Val
			20					25					30		
Gln	Pro	Leu	Trp	Lys	Ser	Val	Trp	Arg	Phe	Leu	Arg	His	Leu	Glu	Leu
		35					40					45			
Xaa	Ile	Pro	Phe	Asp	Pro	Ala	Ile	Pro	Leu	Leu	Gly	Ile	Tyr	Pro	Lys
	50					55					60				
Asp	Tyr	Lys	Ser	Cys	Cys	His	Lys	Asp	Thr	Cys	Thr	Arg	Met	Xaa	Ile
65				70						75					80
Val	Ala	Leu	Phe	Thr	Ile	Ala	Lys	Thr	Trp	Asn	Gln	Ser	Lys	Cys	Pro
				85					90					95	
Ile	Met	Asn	Arg	Leu	Asp										
				100											

<210> 8145

<211> 327

<212> PRT

<213> Homo sapiens

<400> 8145

Met	Xaa	Leu	Xaa	Leu	Pro	Xaa	Asn	Phe	Ser	Xaa	Arg	Thr	Gln	Tyr	Met
1				5					10					15	
Ser	Xaa	Leu	Pro	Ile	Asp	Ala	Ser	Pro	Asp	Pro	Leu	Cys	Trp	Ser	Ala
			20					25					30		
Leu	Ala	Leu	Ile	Arg	Lys	Tyr	Gln	Arg	Leu	Ser	Gly	Leu	Asn	Lys	Arg
		35					40					45			
His	Leu	Phe	Ser	His	Ser	Pro	Gly	Gly	Trp	Lys	Ser	Lys	Thr	Lys	Val
	50					55					60				
Phe	Ala	Gly	Leu	Val	Ser	Ser	Lys	Ala	Ser	Leu	Leu	Gly	Leu	Glu	Met
65				70						75					80

Ala Leu Val Gly Leu Leu Ser Ala Gly Val Pro Gly Val Ser Leu Cys
 85 90 95
 Val Gln Ile Phe Ser Tyr Lys Asp Thr Gly Glu Ile Gly
 100 105

<210> 8146
 <211> 333
 <212> PRT
 <213> Homo sapiens

<400> 8146
 Met Ile Glu Thr Tyr Asn Gln Thr Ser Pro Arg Ser Ala Ala Thr Gly
 1 5 10 15
 Leu Pro Ile Ser Met Lys Ile Phe Met Tyr Leu Leu Thr Val Phe Leu
 20 25 30
 Ile Thr Gln Met Ile Gly Ser Ala Leu Phe Ala Val Tyr Leu His Arg
 35 40 45
 Arg Leu Asp Lys Ile Glu Asp Glu Arg Asn Leu His Glu Asp Phe Val
 50 55 60
 Phe Met Lys Thr Ile Gln Arg Cys Asn Thr Gly Glu Arg Ser Leu Ser
 65 70 75 80
 Leu Leu Asn Cys Glu Glu Ile Lys Ser Gln Phe Glu Gly Phe Val Lys
 85 90 95
 Asp Ile Met Leu Asn Lys Glu Glu Thr Lys Xaa Arg Xaa Gln Leu
 100 105 110

<210> 8147
 <211> 333
 <212> PRT
 <213> Homo sapiens

<400> 8147
 Met Ala Ala Xaa Gly Thr Gly Ser Gly Leu Trp Arg Pro Arg Ser Arg
 1 5 10 15
 Asp Gly Phe Cys Pro Arg Ala Val Arg Gly Ser Ser Ala Trp Leu Thr
 20 25 30
 Pro Xaa Ala Ser Arg Ser Leu Ala Leu Ser Leu Val Gln Ser Gly Gly
 35 40 45
 Phe Cys Cys Arg Ser Gly Phe Arg Arg Val Gln Val Ile Ser Gln Gln
 50 55 60
 Val Ser Cys Ala Gly Arg Ala Arg Arg Thr Lys Lys Arg Arg Ala Val
 65 70 75 80
 Gly Pro Ala Ala Leu Ala Phe Met Arg Pro Gln Arg Ala Pro Glu Xaa
 85 90 95
 Leu Xaa Thr Val Arg Gly Leu Leu Glu Phe Phe Ser Xaa Gly Val
 100 105 110

<210> 8148
 <211> 354
 <212> PRT
 <213> Homo sapiens

<400> 8148
 Met Glu Pro Lys Lys Ala Cys Ile Ala Lys Ser Ile Leu Ser Gln Lys

1 5 10 15
 Asn Lys Ala Gly Gly Ile Thr Leu Pro Asp Phe Lys Leu Tyr Tyr Lys
 20 25 30
 Ala Thr Val Thr Lys Thr Ala Trp Tyr Trp Tyr Gln Asn Arg Asp Ile
 35 40 45
 Asp Gln Trp Asn Arg Thr Glu Pro Ser Glu Ile Met Leu His Ile Tyr
 50 55 60
 Asn His Leu Ile Phe Asp Arg Pro Asp Lys Asn Lys Lys Trp Gly Lys
 65 70 75 80
 Asp Ser Leu Phe Asn Xaa Trp Cys Trp Glu Asn Trp Leu Ala Ile Cys
 85 90 95
 Arg Lys Leu Lys Leu His Pro Phe Leu Thr Leu Tyr Ala Lys Leu Ile
 100 105 110
 Gln Asp Gly Leu Lys Thr
 115

<210> 8149
 <211> 402
 <212> PRT
 <213> Homo sapiens

<400> 8149
 Met Thr Phe Phe Cys Trp Asn Leu Val Gly Pro Leu Glu Phe Ser Tyr
 1 5 10 15
 Arg Asn Leu Ser Leu Ser Arg Gln Asn Ile Asp Ser Trp Cys Lys Asp
 20 25 30
 His Ser Tyr Val Ile Ala Gly Tyr Tyr Gln Ala Asn Glu Arg Val Lys
 35 40 45
 Asp Ala Ser Pro Asn Gln Val Ala Glu Lys Val Ala Ser Arg Ile Ala
 50 55 60
 Glu Gly Phe Ser Asp Thr Ala Leu Ile Met Val Asp Asn Thr Lys Phe
 65 70 75 80
 Thr Met Asp Cys Val Gly Leu Arg Ser Thr Cys Thr Ser Thr Met Arg
 85 90 95
 Thr Asp Gly Gly Ala Glu Thr His Thr Met Thr Thr Val Xaa Leu Ala
 100 105 110
 Arg Gly Thr Xaa Asp Leu Ser Leu Ala Pro Gly Gln Pro Val Leu Arg
 115 120 125
 Asp Ala Arg Gly Phe Arg
 130

<210> 8150
 <211> 306
 <212> PRT
 <213> Homo sapiens

<400> 8150
 Met Ser Ser Asp Glu Glu Lys Tyr Ser Leu Pro Val Val Gln Asn Asp
 1 5 10 15
 Ser Ser Arg Gly Ser Ser Val Ser Ser Asn Leu Gln Glu Glu Tyr Glu
 20 25 30
 Glu Leu Leu His Tyr Ala Ile Val Thr Pro Asn Ile Glu Pro Cys Ala
 35 40 45
 Ser Gln Ser Ser His Pro Lys Gly Glu Leu Val Pro Asp Val Arg Ile

50 55 60
 Ser Thr Ile His Asp Ile Leu His Ser Gln Gly Asn Asn Ser Glu Val
 65 70 75 80
 Arg Glu Thr Ala Ile Glu Val Gly Lys Gly Cys Asp Phe His Ile Val
 85 90 95
 Lys Ser Phe Lys Asp Arg
 100

<210> 8151
 <211> 363
 <212> PRT
 <213> Homo sapiens

<400> 8151
 Met Arg Leu Glu Cys Asn Gly Thr Ile Leu Ala His Cys Asn Leu His
 1 5 10 15
 Leu Pro Gly Ser Ser Asp Ser Pro Ala Ser Ala Ser Arg Val Ala Gly
 20 25 30
 Ile Thr Glu Gln Leu Arg Gly Leu Ser Trp Leu Tyr Glu Asn Leu Val
 35 40 45
 Gly Phe Leu Lys Ile Lys Ser Thr Lys Met Lys Leu Gln Thr Arg Leu
 50 55 60
 Trp Pro Pro Gly Val Ser His Phe Gln Ala Ser Ala His Ser Ala Ser
 65 70 75 80
 Gly Asn Leu Leu Lys Ser Leu Phe Lys Cys Ser Tyr Gln Phe Met Ile
 85 90 95
 Leu Ala Ala Ser Ala Ser Asp Lys Gln Ile Ser Ala Val Thr Pro Trp
 100 105 110
 Ile Arg Leu Ser Leu Gln Ile Ser Gly
 115 120

<210> 8152
 <211> 306
 <212> PRT
 <213> Homo sapiens

<400> 8152
 Met Cys Val Arg Leu Cys Val Gly Gly Cys Val Phe Phe Cys Thr Pro
 1 5 10 15
 Gly Gly Arg Gly Ile Cys Lys Val Ser Ser Leu Leu Ser Cys Arg Val
 20 25 30
 Asp Met Gln Pro Thr Asp Met His Ser Leu Leu Leu Gln Pro Gln Pro
 35 40 45
 Pro Leu Leu Gln Pro Leu Gln Pro Leu Thr Val Thr Val Met Ala Gly
 50 55 60
 Cys Thr Gln Pro Thr Pro Thr Met Pro Leu Pro Leu Pro Leu Ala Met
 65 70 75 80
 Glu Leu Ala Leu Trp Arg Val Tyr Thr Glu Val Ala Thr Ala Asp Leu
 85 90 95
 Pro Pro Thr Glu Val Thr
 100

<210> 8153
 <211> 405

<212> PRT

<213> Homo sapiens

<400> 8153

Met Leu Ser Lys Tyr Ser Arg Pro Asp Glu Ile Lys Thr Ala Lys Lys
1 5 10 15
Ile Leu Pro Leu Gly Gly Ser Leu Glu Leu Arg Ser Ser Arg Pro Ala
20 25 30
Trp Ala Thr Trp Arg Asn Pro Ile Ser Thr Lys Asn Thr Lys Leu Ser
35 40 45
Gly Ala Trp Trp Cys Glu Pro Val Val Pro Ala Ala Gly Glu Ala Gly
50 55 60
Val Gly Gly Ser Leu Glu Pro Arg Glu Ser Arg Leu Gln Leu Ala Val
65 70 75 80
Phe Thr Pro Leu His Ser Ser Leu Gly His Arg Gly Arg Pro Cys Pro
85 90 95
Pro Lys Lys Lys Lys Lys Glu Lys Lys Val Trp Pro Phe Lys Lys Pro
100 105 110
Asp Phe Cys Leu Phe Pro Ile Tyr Ser Ile Ser Val Pro Gln Ile Phe
115 120 125
Trp His Arg Ile Cys Leu Ala
130 135

<210> 8154

<211> 330

<212> PRT

<213> Homo sapiens

<400> 8154

Met Thr Thr Gly Ser Gly Gln Glu Pro Gly Gln Ser Gly Thr Ser Leu
1 5 10 15
Arg Thr Gly Pro Met Gly Ser Leu Gly Gln Ala Glu Gln Val Ser Ser
20 25 30
Met Pro Met Gly Ser Leu Glu His Glu Gly Leu Val Ser Leu Arg Pro
35 40 45
Val Gly Leu Gln Glu Gln Glu Gly Pro Met Ser Leu Gly Pro Val Gly
50 55 60
Ser Ala Gly Pro Val Glu Thr Ser Lys Gly Leu Leu Gly Gln Glu Gly
65 70 75 80
Leu Val Glu Ile Ala Met Asp Ser Pro Glu Gln Glu Gly Leu Val Gly
85 90 95
Pro Met Glu Ile Thr Met Gly Ser Leu Glu Lys Ala Gly Leu
100 105 110

<210> 8155

<211> 354

<212> PRT

<213> Homo sapiens

<400> 8155

Met Ala Cys Leu Leu Glu Thr Pro Ile Arg Met Xaa Xaa Leu Ser Glu
1 5 10 15
Val Thr Ala Ser Ser Arg His Tyr Val Asp Arg Leu Phe Asp Pro Asp
20 25 30

Pro Gln Lys Val Leu Gln Gly Val Ile Asp Met Lys Asn Ala Val Ile
 35 40 45
 Gly Asn Asn Lys Gln Lys Ala Asn Leu Ile Val Leu Gly Ala Val Pro
 50 55 60
 Arg Leu Leu Tyr Leu Leu Gln Gln Glu Thr Ser Ser Thr Glu Leu Lys
 65 70 75 80
 Thr Glu Cys Xaa Trp Cys Trp Glu Val Leu Leu Trp Val Leu Lys Thr
 85 90 95
 Met Ser Ser Leu Tyr Trp Thr Ala Ile Leu Ser Leu Pro Tyr Cys Lys
 100 105 110
 Xaa Tyr Cys Pro Gln Thr
 115

<210> 8156
 <211> 348
 <212> PRT
 <213> Homo sapiens

<400> 8156
 Met Leu Asp Lys Leu Gln Asn Glu Ile Asp Gln Glu Leu Glu His Asn
 1 5 10 15
 Asn Ser Leu Val Arg Glu Glu Lys Glu Thr Thr Asp Thr Arg Lys Lys
 20 25 30
 Ser Leu Leu Ser Xaa Ala Leu Ala Lys Ser Gly Glu Arg Leu Gln Ala
 35 40 45
 Leu Thr Leu Leu Met Ile His Tyr Arg Ala Gly Ile Glu Asp Ile Glu
 50 55 60
 Thr Leu Glu Ser Leu Ser Leu Asp Gln His Ser Lys Lys Ile Ser Lys
 65 70 75 80
 Tyr Thr Asp Asp Thr Glu Glu Asp Leu Asp Asn Glu Ile Ser Gln Leu
 85 90 95
 Ile Asp Ser Gln Pro Phe Ser Ser Ile Ser Asp Asp Leu Phe Gly Pro
 100 105 110
 Ser Glu Ser Val
 115

<210> 8157
 <211> 363
 <212> PRT
 <213> Homo sapiens

<400> 8157
 Met Leu Thr His Tyr Ala Tyr Glu Tyr Ser Ser Thr Ser Leu Cys Asp
 1 5 10 15
 Ile Cys Phe Gln Leu Phe Gly Glu Tyr Ile Tyr Glu Leu Pro Ile Asn
 20 25 30
 Gly Ser Asn Asp Asn Ser Leu Ile Val Lys Leu Ser Pro Lys Val Leu
 35 40 45
 Val Thr Phe Ile Asn Thr Ser Val Ile Cys Thr Ser Val Pro Leu Ser
 50 55 60
 Pro Pro Pro Cys Gln His Leu Leu Leu Ser Ile Phe Phe Leu Ile Leu
 65 70 75 80
 Ala Ile Leu Val Val Met Ile Gln Tyr Phe Met Val Asp Leu Thr Xaa
 85 90 95

Thr Ser Leu Met Ser Asn Glu Ala Glu His Leu Phe Met Cys Leu Leu
 100 105 110
 Xaa Ile Ser Val Ser Phe Ser Lys Lys
 115 120

<210> 8158
 <211> 399
 <212> PRT
 <213> Homo sapiens

<400> 8158
 Met Xaa Thr Phe Val Ser Glu Leu Glu Ala Ala Lys Lys Asn Leu Ser
 1 5 10 15
 Glu Ala Leu Gly Asp Asn Val Lys Gln Tyr Trp Ala Asn Leu Lys Leu
 20 25 30
 Trp Phe Lys Gln Lys Ile Ser Lys Glu Glu Phe Asp Leu Xaa Ala His
 35 40 45
 Arg Leu Leu Thr Gln Asp Asn Val His Ser His Asn Asp Phe Leu Leu
 50 55 60
 Ala Ile Leu Thr Arg Cys Gln Ile Leu Val Ser Thr Pro Asp Gly Ala
 65 70 75 80
 Gly Ser Leu Pro Trp Pro Gly Gly Ser Ala Ala Lys Pro Gly Lys Pro
 85 90 95
 Lys Gly Lys Lys Lys Leu Ser Ser Val Arg Gln Xaa Xaa Asp His Arg
 100 105 110
 Phe Gln Pro Gln Asn Xaa Leu Ser Gly Ala Gln Gln Phe Val Ala Lys
 115 120 125
 Asp Pro Gln Asp Glu
 130

<210> 8159
 <211> 333
 <212> PRT
 <213> Homo sapiens

<400> 8159
 Met Pro Gly Tyr Glu Val Ala Lys Tyr Asp Leu Ile Trp Ile Cys Asp
 1 5 10 15
 Ser Gly Ile Arg Val Ile Pro Asp Thr Leu Thr Asp Met Val Asn Gln
 20 25 30
 Met Thr Glu Lys Val Gly Leu Val His Gly Leu Pro Tyr Val Ala Asp
 35 40 45
 Arg Gln Gly Phe Ala Ala Thr Leu Glu Gln Met Glu Ser Arg Ser Val
 50 55 60
 Ala Gln Ala Gly Val Gln Trp Arg Asp Leu Gly Ser Leu Gln Ala Pro
 65 70 75 80
 Pro Pro Gly Phe Thr Pro Phe Ser Cys Leu Ser Leu Leu Ser Ser Trp
 85 90 95
 Asp Tyr Arg Cys Pro Pro Pro Cys Leu Ala Asn Phe Leu Tyr Phe
 100 105 110

<210> 8160
 <211> 318
 <212> PRT

<213> Homo sapiens

<400> 8160

Met Ala Glu Ser Leu Arg Ser Pro Arg Arg Ser Leu Tyr Lys Leu Val
1 5 10 15
Gly Ser Pro Pro Trp Lys Glu Ala Phe Arg Gln Arg Cys Leu Glu Arg
20 25 30
Met Arg Asn Ser Arg Asp Arg Leu Asn Arg Tyr Arg Gln Ala Gly
35 40 45
Ser Ser Gly Pro Gly Asn Ser Gln Asn Ser Phe Leu Val Gln Glu Val
50 55 60
Met Glu Glu Glu Trp Asn Ala Leu Gln Ser Val Glu Asn Cys Pro Glu
65 70 75 80
Asp Leu Ala Gln Leu Glu Glu Leu Ile Asp Met Ala Val Leu Glu Glu
85 90 95
Ile Gln Gln Glu Leu Ile Asn Gln Gly Leu
100 105

<210> 8161

<211> 351

<212> PRT

<213> Homo sapiens

<400> 8161

Met Ala Tyr Leu Cys Ser Lys Ile Leu Lys Ile Tyr Thr Val Val His
1 5 10 15
Lys Gly Pro Thr Arg Gly Ser Ile Leu Asp Phe Tyr Leu Pro Gln Thr
20 25 30
Val Thr Ser Ser Thr Ser Glu Ser Ser Gly Phe Lys Trp Leu Ser Ser
35 40 45
Leu His Asp Ser Leu Gly Leu Leu Gln Thr Ser Asp Val Leu Ala Ser
50 55 60
Ile Gln Asn Trp Gln Ala Phe Arg Leu Ala Val Met Val Met Gln Tyr
65 70 75 80
Ile Leu Leu Ser Leu Leu Thr Tyr Met Val Pro Phe Leu Lys Gly Arg
85 90 95
Arg Ala Gln Met Gln Gln Phe Leu Phe Val Leu Arg Glu Leu Ser Gln
100 105 110
His Val Pro Asp His
115

<210> 8162

<211> 339

<212> PRT

<213> Homo sapiens

<400> 8162

Met Ile Leu Pro Phe Arg Gly Gln Pro Ile Ile Phe Asn Pro Asp Phe
1 5 10 15
Phe Val Glu Lys Leu Arg His Glu Lys Pro Glu Ile Phe Thr Glu Leu
20 25 30
Val Val Ser Asn Ile Thr Arg Leu Ile Asp Leu Pro Gly Thr Glu Leu
35 40 45
Ala Gln Leu Met Gly Glu Val Asp Leu Lys Leu Pro Gly Gly Ala Gly

50 55 60
 Pro Ala Ser Gly Phe Phe Arg Ser Leu Met Ser Leu Lys Arg Lys Glu
 65 70 75 80
 Lys Gly Val Ile Phe Gly Ser Pro Leu Thr Glu Glu Gly Ile Ala Gln
 85 90 95
 Ile Tyr Gln Leu Ile Glu Tyr Leu Gln Lys Leu Ala Ser Arg Gly Phe
 100 105 110
 Val

<210> 8163
 <211> 396
 <212> PRT
 <213> Homo sapiens

<400> 8163
 Met Ala Thr Val Asp Ile Lys Asn Pro Glu Ile Thr Thr Asn Arg Phe
 1 5 10 15
 Tyr Gly Pro Gln Val Asn Asn Ile Ser His Thr Lys Xaa Lys Lys Lys
 20 25 30
 Gly Lys Ala Lys Lys Lys Arg Leu Thr Lys Ala Asp Ile Gly Thr Pro
 35 40 45
 Ser Asn Phe Gln His Ile Gly His Val Gly Trp Asp Pro Asn Thr Gly
 50 55 60
 Phe Asp Leu Asn Asn Leu Asp Pro Glu Leu Lys Asn Leu Phe Asp Met
 65 70 75 80
 Cys Gly Ile Ser Glu Ala Gln Leu Lys Asp Arg Glu Thr Ser Lys Val
 85 90 95
 Ile Tyr Asp Phe Ile Glu Lys Thr Gly Gly Val Glu Ala Val Lys Asn
 100 105 110
 Glu Leu Arg Arg Gln Gly Asn Phe Tyr Leu Tyr Ser Ala Phe Cys Phe
 115 120 125
 Val Leu Ile Phe
 130

<210> 8164
 <211> 312
 <212> PRT
 <213> Homo sapiens

<400> 8164
 Met Val His Trp Met Trp Gly Arg Gly Leu Asp Pro Asp Asn Phe Ser
 1 5 10 15
 Ile Pro Tyr Leu Thr Ala Leu Gly Xaa Leu Leu Gly Thr Xaa Ala Pro
 20 25 30
 Xaa Thr Gln Leu Pro Cys Ser Leu Ala His Arg Gly Pro Arg His Gly
 35 40 45
 Cys Arg Gly Leu Ala Trp Ser Leu Asn Ile Phe Pro Ile Pro Leu His
 50 55 60
 Phe Leu Phe Glu Ile Phe Leu Leu Xaa Pro Cys Pro Ser Ser Thr Pro
 65 70 75 80
 His Ser His Leu Phe Leu Gly Leu His Phe Asp Thr Lys Phe Ser Leu
 85 90 95
 Phe Ser Met Gly Ile Phe Ile His
 100

<210> 8165
 <211> 315
 <212> PRT
 <213> Homo sapiens

<400> 8165
 Met Ala Ala Val Val Glu Asn Val Val Lys Leu Leu Gly Glu Gln Tyr
 1 5 10 15
 Tyr Lys Asp Ala Met Glu Gln Cys His Asn Tyr Asn Ala Arg Leu Cys
 20 25 30
 Ala Glu Arg Xaa Xaa Arg Leu Pro Phe Leu Asp Ser Gln Thr Gly Val
 35 40 45
 Ala Gln Ser Asn Cys Tyr Ile Trp Met Glu Lys Arg His Arg Gly Pro
 50 55 60
 Gly Leu Ala Ser Gly Gln Leu Tyr Ser Tyr Pro Ala Arg Arg Trp Arg
 65 70 75 80
 Lys Lys Arg Arg Ala His Pro Pro Glu Asp Pro Arg Leu Ser Phe Pro
 85 90 95
 Ser Ile Lys Pro Asp Thr Asp Arg Pro
 100 105

<210> 8166
 <211> 339
 <212> PRT
 <213> Homo sapiens

<400> 8166
 Met Gly Ile Leu Val Val Leu Ile Phe Asn Tyr Ile Asn Lys Val Asn
 1 5 10 15
 Ile Leu Thr Met Gln Trp Arg Ile Ser Leu His Met Pro Leu Tyr Xaa
 20 25 30
 Pro Xaa Val Ile Ile Ser Leu Val Gln Thr Pro Arg Ser Arg Ile Pro
 35 40 45
 Trp Ser Arg Asn Ile Leu Asn Leu Asn Ser Asp Arg Tyr Gln His Cys
 50 55 60
 Leu Pro Lys Xaa Leu Tyr His Cys Thr Leu Leu Ser Ala Met Lys Ser
 65 70 75 80
 Thr Ser Cys Thr Asn His Arg Val Arg Tyr Xaa Xaa Gln Lys Asn Ala
 85 90 95
 Glu Gly Ile Val Pro Ala Phe Gly Val Leu Asn Asn Asp Glu Thr Asp
 100 105 110
 Met

<210> 8167
 <211> 306
 <212> PRT
 <213> Homo sapiens

<400> 8167
 Met Phe Trp Lys Phe Asp Leu His Thr Xaa Ser Xaa Leu Xaa Thr Leu
 1 5 10 15
 Leu Glu Arg Glu Asp Leu Ser Leu Pro Glu Leu Leu Asp Glu Glu Asp
 20 25 30

Val Leu Gln Glu Cys Lys Val Val Asn Arg Lys Leu Leu Asp Phe Leu
 35 40 45
 Leu Gln Pro Pro His Leu Gln Ala Met Val Ala Trp Val Thr Gln Glu
 50 55 60
 Pro Pro Asp Ser Gly Glu Arg Leu Arg Tyr Lys Tyr Pro Ser Val
 65 70 75 80
 Ala Cys Glu Ile Xaa Thr Ser Asp Val Pro Gln Ile Asn Asp Ala Leu
 85 90 95
 Gly Ala Asp Glu Ser Phe
 100

<210> 8168

<211> 417

<212> PRT

<213> Homo sapiens

<400> 8168

Met Glu Leu Trp Ala Arg Gly Phe Tyr Cys Ala Gly Pro His Thr Gln
 1 5 10 15
 Gln Gly Leu Gly Arg Glu Ser Pro Gly Gly Ala Gln Pro Val Gly Ser
 20 25 30
 Cys Ser Phe Leu Ala Ala Thr Ala Gly Asp Thr Gly Gly Gln Trp Val
 35 40 45
 Ser Trp Leu Glu Val Gly Thr Arg Leu Arg Lys Leu Gly Ser Ser Cys
 50 55 60
 Arg Leu Asp Arg His Tyr Ser Asn Asn Glu Thr Ser Gly Arg Ala Ser
 65 70 75 80
 Ser Ala Arg Gln Ser Ala Ile Phe Ile Leu Ser Ser Phe Phe Leu Thr
 85 90 95
 Gln Ser Leu Leu Cys Asn Arg His Cys Ser Arg His Trp Gly Tyr Asn
 100 105 110
 Gly Lys Gln Asn Arg Ala Ser Ile Leu Ala Gly Asp Arg Leu Xaa Asn
 115 120 125
 Cys Glu His Val Ser Leu Glu Lys Ala Val Cys
 130 135

<210> 8169

<211> 402

<212> PRT

<213> Homo sapiens

<400> 8169

Met Ala Glu Met Arg Ala Trp Arg Pro Leu Val Arg Pro Ser Leu Gln
 1 5 10 15
 Cys Val Lys Leu Gly Arg Ala Thr Ala Arg Trp Trp Trp Val Val Lys
 20 25 30
 Val Lys Pro His Asp Lys Asp Ala Lys Met Lys Tyr Gln Glu Cys Asn
 35 40 45
 Lys Ile Val Lys Gln Lys Xaa Phe Glu Arg Ala Ile Ala Gly Asp Glu
 50 55 60
 His Lys Arg Ser Val Val Asp Ser Leu Asp Ile Glu Ser Met Thr Ile
 65 70 75 80
 Glu Gly Glu Tyr Ser Gly Pro Lys Leu Glu Asp Asp Lys Val Thr Xaa
 85 90 95

Thr Phe Met Lys Gly Leu Met Gln Trp Tyr Lys Asp Gln Lys Lys Leu
 100 105 110
 His Gln Lys Met Arg Leu Pro Gly Ser Gly Pro Leu Val Glu Val Gly
 115 120 125
 Gln Ala Pro Ser Arg Gly
 130

<210> 8170
 <211> 312
 <212> PRT
 <213> Homo sapiens

<400> 8170
 Met Val Asn Asp Gly Val Leu Pro Lys Ala Gly Ala Leu Asn Ser Asn
 1 5 10 15
 Asp Ala Phe Val Leu Lys Thr Pro Ser Ala Ala Tyr Leu Trp Val Gly
 20 25 30
 Thr Gly Ala Ser Glu Ala Glu Lys Thr Gly Ala Gln Glu Leu Leu Arg
 35 40 45
 Val Leu Arg Ala Gln Pro Val Gln Val Ala Glu Gly Ser Glu Pro Asp
 50 55 60
 Gly Phe Trp Glu Ala Leu Gly Gly Lys Ala Ala Tyr Arg Thr Ser Pro
 65 70 75 80
 Arg Leu Lys Asp Lys Lys Met Asp Ala Ile Leu Leu Ala Ser Leu Pro
 85 90 95
 Ala Pro Thr Arg Leu Asp Val Leu
 100

<210> 8171
 <211> 303
 <212> PRT
 <213> Homo sapiens

<400> 8171
 Met Ser Val Glu Lys Met Thr Lys Val Glu Glu Ser Phe Gln Lys Ala
 1 5 10 15
 Met Gly Leu Lys Lys Thr Val Xaa Arg Xaa Arg Asn Ser His Thr His
 20 25 30
 Cys Leu Trp Gln Met Ala Leu Gly Gln Arg Arg Asn Pro Tyr Ala Thr
 35 40 45
 Leu Arg Met Gln Asp Thr Met Val Gln Lys Leu Ala Leu Ala Lys Lys
 50 55 60
 Gln Leu Leu Met Val Arg Gln Ala Ala Leu His Gln Leu Phe Glu Lys
 65 70 75 80
 Glu His Gln Gln Tyr Gln Xaa Xaa Leu Asn Gln Met Gly Lys Ala Phe
 85 90 95
 Tyr Val Glu Arg Phe
 100

<210> 8172
 <211> 321
 <212> PRT
 <213> Homo sapiens

004390 "6661560"

<400> 8172

Met Gly Lys Asp Phe Met Ser Lys Thr Pro Lys Ala Met Ala Thr Lys
1 5 10 15
Ala Lys Ile Asp Lys Trp Asp Leu Ile Lys Leu Lys Ser Cys Cys Thr
20 25 30
Ala Lys Glu Thr Thr Ile Arg Val Asn Arg Gln Pro Thr Lys Trp Glu
35 40 45
Lys Ile Phe Ala Thr Tyr Leu Ser Asp Lys Gly Leu Ile Ser Arg Ile
50 55 60
Tyr Asn Glu Leu Lys Gln Ile Tyr Lys Lys Lys Asn Asn Pro Ile Lys
65 70 75 80
Lys Trp Ala Lys Asp Met Asn Arg His Phe Ser Lys Glu Asp Ile Tyr
85 90 95
Ala Ala Lys Lys His Met Lys Lys Cys Ser Ser
100 105

<210> 8173

<211> 306

<212> PRT

<213> Homo sapiens

<400> 8173

Met Asp Lys Phe Leu Glu Thr Tyr Thr Leu Pro Arg Leu Asn Gln Glu
1 5 10 15
Glu Val Glu Ser Leu His Arg Pro Ile Thr Ser Ser Xaa Xaa Glu Ala
20 25 30
Val Ile Asn Ser Leu Ala Thr Lys Lys Ser Pro Gly Pro Asp Glu Phe
35 40 45
Tyr Gln Arg Tyr Lys Glu Glu Leu Val Pro Phe Leu Leu Lys Leu Leu
50 55 60
Gln Thr Ile Gln Lys Glu Gly Leu Leu Pro Asn Ser Phe Cys Glu Ala
65 70 75 80
Ser Val Ile Leu Met Pro Arg Pro Gly Arg Asp Thr Thr Lys Xaa Xaa
85 90 95
Ile Pro Gly Gln Tyr Pro
100

<210> 8174

<211> 330

<212> PRT

<213> Homo sapiens

<400> 8174

Met Ile Ala Asn Asp Val His Thr Leu Arg Arg Ser Lys Thr Thr Val
1 5 10 15
Gly Arg Pro Leu Ile Ala Trp Arg Tyr Val Pro Ile Asn Val Val Glu
20 25 30
Thr Leu Arg Thr Arg Gly Ala Pro Thr Arg Ile Val Arg Lys Val Ala
35 40 45
Arg Asn Leu Gly Lys Ala Thr Ser Gly Val Leu Val Val Leu Asp Val
50 55 60
Val Asn Leu Val Gln Asp Ser Leu Asp Leu His Lys Gly Ala Lys Ser
65 70 75 80
Glu Ser Ala Glu Ser Leu Arg Gln Trp Ala Gln Glu Leu Glu Glu Asn

85 90 95
 Leu Asn Glu Leu Thr His Ile His Gln Ser Leu Lys Ala Gly
 100 105 110

<210> 8175
 <211> 315
 <212> PRT
 <213> Homo sapiens

<400> 8175
 Met Ser Ser Asn Val Pro Ala Asp Met Ile Asn Leu Arg Leu Ile Leu
 1 5 10 15
 Val Ser Gly Lys Thr Lys Glu Phe Leu Phe Ser Pro Asn Asp Ser Ala
 20 25 30
 Ser Asp Ile Ala Lys His Val Tyr Asp Asn Trp Pro Met Asp Trp Glu
 35 40 45
 Glu Glu Gln Val Ser Ser Pro Asn Ile Leu Arg Leu Ile Tyr Gln Gly
 50 55 60
 Arg Phe Leu His Gly Asn Val Thr Leu Gly Ala Leu Lys Leu Pro Phe
 65 70 75 80
 Gly Lys Thr Thr Val Met His Leu Val Ala Arg Glu Thr Leu Pro Glu
 85 90 95
 Pro Asn Ser Gln Arg Ser Glu Xaa Ser
 100 105

<210> 8176
 <211> 417
 <212> PRT
 <213> Homo sapiens

<400> 8176
 Met Gln Val Leu Val Cys Gln His Glu Cys Val Arg Glu Leu Ala Thr
 1 5 10 15
 Arg Pro Gly Arg Leu Ser Pro Ile Glu Asn Phe Leu Pro Leu His Tyr
 20 25 30
 Asp Tyr Leu Xaa Phe Ala Tyr Tyr Arg Val Gly Glu Tyr Val Lys Ala
 35 40 45
 Leu Glu Cys Ala Lys Ala Tyr Leu Leu Cys His Pro Asp Asp Glu Asp
 50 55 60
 Val Leu Asp Asn Val Asp Tyr Tyr Glu Ser Leu Leu Asp Asp Ser Ile
 65 70 75 80
 Asp Pro Ala Ser Ile Glu Ala Arg Glu Asp Leu Thr Met Phe Val Lys
 85 90 95
 Arg His Lys Leu Glu Ser Glu Leu Ile Lys Ser Ala Ala Glu Gly Leu
 100 105 110
 Gly Phe Ser Tyr Thr Glu Pro Asn Tyr Trp Ile Arg Tyr Gly Gly Arg
 115 120 125
 Gln Asp Glu Asn Arg Val Pro Ser Gly Val Xaa
 130 135

<210> 8177
 <211> 366
 <212> PRT
 <213> Homo sapiens

<400> 8177

Met	Glu	Asp	Thr	Pro	Leu	Val	Ile	Ser	Lys	Gln	Lys	Thr	Glu	Val	Val
1				5					10				15		
Cys	Gly	Val	Pro	Thr	Gln	Val	Val	Cys	Thr	Ala	Phe	Ser	Ser	His	Ile
			20					25				30			
Leu	Val	Val	Val	Thr	Gln	Phe	Gly	Lys	Met	Gly	Thr	Leu	Val	Ser	Leu
		35					40					45			
Glu	Pro	Ser	Ser	Val	Ala	Ser	Asp	Val	Ser	Lys	Pro	Val	Leu	Thr	Thr
	50					55					60				
Lys	Val	Leu	Leu	Gly	Gln	Asp	Glu	Pro	Leu	Ile	His	Val	Phe	Ala	Lys
65					70					75					80
Asn	Leu	Val	Ala	Phe	Val	Ser	Gln	Glu	Ala	Gly	Asn	Arg	Ala	Val	Leu
			85						90					95	
Leu	Ala	Val	Ala	Val	Lys	Asp	Lys	Ser	Met	Glu	Gly	Leu	Xaa	Ala	Leu
			100					105						110	
Arg	Glu	Val	Ile	Arg	Val	Cys	Gln	Val	Trp						
		115					120								

<210> 8178

<211> 396

<212> DNA

<213> Homo sapiens

<400> 8178

tcctccgaga	gggaggaggc	ccaactgggtg	atgctgctgc	tgctgctgct	gccgccgccg	60
ccgcctctat	tgctgatact	ctagtggggc	tggaagggtg	gttctctattc	gcaccatcgc	120
caaccagaga	cagagggaaa	aaaaaaaccg	gcagccactg	ctgatgttgg	gttcggaggc	180
tgcattccgac	tcgggtcaca	ggarratgga	ttcagtttgc	atctctccct	ccttaaacag	240
cttctccggg	tctcagcatg	ggcttccagg	gcagcgattg	aggagacctt	accaaggagc	300
accacacagt	agatgctgag	rcatcgkact	ccaggataag	anncagtaac	atggcagcac	360
ctgcttgama	gaaattaaaa	accaacagac	tccatt			396

<210> 8179

<211> 518

<212> DNA

<213> Homo sapiens

<400> 8179

gcgttctcgc	tgtgcactct	tattctgcgc	ctgcgcgcgg	ctacagcacg	gttcggtttt	60
ccttttagtca	ggaaggacgt	tggtgttgag	gtagcatac	gtatcaagga	cagtaactac	120
catggctccc	gaagttttgc	caaaacctcg	gatgcgtggc	cttctggcca	ggcgtctgcg	180
aatcatatg	gctgtagcat	tcgtgctatc	cctgggggtt	gcagctttgt	ataagtttcg	240
tgtggctgat	caaagaaaga	aggcatacgc	agatttctac	agaaactacg	atgtcatgaa	300
agattttgag	gagttatatg	ccatcttcta	tactgctgt	acttttccca	tagaaacccc	360
agcctagcat	ctcccacagt	tctaaacgat	gttccatgag	aaaaagattc	tacggccata	420
aaagtcaagg	ayacttcac	ctatgcctg	tccctgagta	tttgaaattg	ccattagcat	480
tttaaagggt	ctgataagtc	ctgcactact	tcagtagt			518

<210> 8180

<211> 542

<212> DNA

<213> Homo sapiens

<400> 8180

gcgttctcgc	tgtgcactct	tattctgcgc	ctgcgcgcgg	ctacagcacg	gttcgttttt	60
ccttttagtca	ggaaggacgt	tgggtgttgag	gttrgcatac	gtatcaagga	cagtaactac	120
catggctccc	gaagttttgc	caaaacctcg	gatgcgtggc	cttctggcca	ggcgtctgcg	180
aatcatatg	gctgtagcat	tcgtgctatc	cctggggggt	gcagctttgt	ataagtttcg	240
tgtggctgat	caaagaaaga	aggcatacgc	agatttctac	agaaactacg	atgtcatgaa	300
agattttgag	gagatgagga	aggctgggtat	ctttcagagt	gtaaagtacc	ttccccacc	360
cttctctgcc	aaccgctggt	tcagccccta	gctggattcc	agccattgct	gcagctgctc	420
cacagccctt	ttcaggaccc	aaacaaccgc	agccgctggt	cccaggatgg	tgatccgtgt	480
atatattgca	tcttctctcg	gctctacagc	gagttcagct	ttgtttgctt	cgtgacgttg	540
gg						542

<210> 8181

<211> 480

<212> DNA

<213> Homo sapiens

<400> 8181

gcgttctcgc	tgtgcactct	tattctgcgc	ctgcgcgcgg	ctacagcacg	gttcgttttt	60
ccttttagtca	ggaaggacgt	tgggtgttgag	gttagcatac	gtatcaagga	cagtaactac	120
catggctccc	gaagttttgc	caaaacctcg	gatgcgtggc	cttctggcca	ggcgtctgcg	180
aatcatatg	gctgtagcat	tcgtgctatc	cctggggggt	gcagctttgt	ataagtttcg	240
tgtggctgat	caaagaaaga	aggcatacgc	agatttctac	agaaactacg	atgtcatgaa	300
agattttgag	gagatgagga	aggctgggtat	ctttcagagt	gtaaagtaat	cttggaaatat	360
aaagaatttc	ttcaggttga	attacctaga	agtttgtcac	tgacttgtgt	tcctgaacta	420
tgacacatga	atatgtgggc	taagaaatag	ttcctcttga	taaataaaca	attaacaaat	480

<210> 8182

<211> 574

<212> DNA

<213> Homo sapiens

<400> 8182

cttttgcac	cctaccccga	caactgcgggt	tgtcacaacg	gcaccctccc	gctttctctc	60
tgccctcgat	ttagtcgtga	ctgtgtgtct	tcggccgtgg	tgagcttca	ggcctctccc	120
gcactactc	tctcacgctt	ccgctgcggc	ctgagggagg	gcggcgggcg	gaccacggac	180
cgggggttggc	atacgwatca	aggacagtaa	ctaccatggc	tcccgaagtt	ttgccaaaac	240
ctcggatgcg	tggccttctg	gccaggcgctc	tgcgaaatca	tatggctgta	gcattcgtgc	300
tatccctggg	ggttgacgct	ttgtataagt	ttcgtgtggc	tgatcaaaga	aagaaggcat	360
acgcagattt	ctacagaaac	tacgatgtca	tgaaagattt	tgaggagatg	aggaaggctg	420
gtatctttca	gagtgtaaag	taatcttggg	atataaaagaa	tttcttcagg	ttgaattacc	480
tagaagtttg	tcactgactt	gtgttcttga	actatgacac	atgaatatgt	gggctaagaa	540
atagttcctc	ttgataaata	aacaattaac	aaat			574

<210> 8183

<211> 612

<212> DNA

<213> Homo sapiens

<400> 8183

cttttgcac	cctaccccga	caactgcgggt	tgtcacaacg	gcaccctccc	gctttctctc	60
tgccctcgat	ttagtcgtga	ctgtgtgtct	tcggccgtgg	tgagcttca	ggcctctccc	120
gcactactc	tctcacgctt	ccgctgcggc	ctgagggagg	gcggcgggcg	gaccacggac	180
cgggggttggc	atacgwatca	aggacagtaa	ctaccatggc	tcccgaagtt	ttgccaaaac	240

ctcggatgcg	tggccttctg	gccaggcgtc	tgcgaaatca	tatggctgta	gcattcgtgc	300
tatccctggg	ggttgcaagt	ttgtataagt	ttcgtgtggc	tgatcaaaga	aagaaggcat	360
acgcagat	ctacagaaac	tacgatgtca	tgaaagattt	tgaggagtta	tatgccatct	420
tctatcactg	ctgtactttt	cccatagaaa	ccccagccta	gcattctcca	cagttctaaa	480
cgatgttcca	tgagaaaaag	attctacggc	cataaaagtc	aaggayactt	catcctatgc	540
cctgtccctg	agtatttgaa	attgccatta	gcatttttaa	ggttctgata	agtcctgcac	600
tacttcagta	gt					612

<210> 8184

<211> 636

<212> DNA

<213> Homo sapiens

<400> 8184

cttttgcac	cctaccccg	cactgcgggt	tgtcacaacg	gcacctccc	gctttctctc	60
tgccctggat	ttagtctgta	ctgtgtgtct	tcggccgtgg	tgagcttca	ggcctctccc	120
gcattactc	tctcacgctt	ccgtgcggc	ctgaggagg	gcggcggg	gaccacggac	180
cggggttggc	atacgwatca	aggacagtaa	ctaccatggc	tcccgaagt	ttgccaaaac	240
ctcggatgcg	tggccttctg	gccaggcgtc	tgcgaaatca	tatggctgta	gcattcgtgc	300
tatccctggg	ggttgcaagt	ttgtataagt	ttcgtgtggc	tgatcaaaga	aagaaggcat	360
acgcagat	ctacagaaac	tacgatgtca	tgaaagattt	tgaggagatg	aggaaggctg	420
gtatctttca	gagtgtaaag	taccttccc	caccttctc	tgccaaccgc	tgtttcagcc	480
cctagctgga	ttccagccat	tgctgcagct	gtccacagc	ccttttcagg	acccaaacaa	540
ccgcagccgc	tgttcccagg	atggtgatcc	gtgtatatat	tgcattcttc	tctggctcta	600
cagcgagttc	agctttgttt	gcttcgtgac	gttggg			636

<210> 8185

<211> 522

<212> DNA

<213> Homo sapiens

<400> 8185

agagggcgaa	ggtaggctgg	cagatacggt	cgtcagcttg	ctcctttctg	cccgtggacg	60
ccgccgaaga	agcatcgta	aagtctctct	tcacctgccc	gtcatgtcta	agtcagaggt	120
gagttaggcg	cgttttccca	cttgaatttt	ttcctctccc	tttctgaat	cggtaagatg	180
ctgctgggtt	tcgttccctg	caccagccca	ttctacagtt	ccttcggctg	ctgccacggc	240
ctacccctcc	caaagttcaa	gtcgccattt	tgctctcttg	atcgccatga	ggccgctctc	300
cgccaaccat	gagttatcat	gcgggactcg	ttactcgtag	caaaattctt	aggcacacag	360
gatctttgtc	tttttttaaa	ccttgccctg	gtgagcgagt	nttctaaaga	gcgattagtc	420
ccattgtgga	gatgcacccc	taccgcccac	gcctttgttg	cgcgctgcgt	ggaaggcgac	480
tagggaygca	tcgccttgcg	atttcctagc	actcccaact	cc		522

<210> 8186

<211> 353

<212> DNA

<213> Homo sapiens

<400> 8186

cctatttcgt	gctataccag	tacattgtct	ttatcattac	ttgcttgatg	cttttcttta	60
aatttaccta	aatgtattca	tcttaaaaag	atattttctg	actactttcc	cattgccttt	120
tgttgtataa	caaactctca	cacactgaat	gacttaaaag	aacaaaaatg	taccatttct	180
cacgattctg	tgtgttgcc	gggtggtttc	ttctggctcg	ggctggctcc	attggacctg	240
gaatcagggg	ggcctctgtc	acatgtctga	tgattggcag	gttgatgatg	ccaggaggac	300
ctcagctggg	gtagctactc	tctgtctccac	atgacttttc	agcatggtca	cga	353

<210> 8187
 <211> 485
 <212> DNA
 <213> Homo sapiens

<400> 8187
 ttaaaaacaa aaacaactca tgccacagta tgctgtcttc atgtgtcttg caatgaactg 60
 ttctcagtagc caatcctctt tcttagtata tgaaaggaca gggatttttg ttcttggtgt 120
 tctcgttggt gttttaagtt tactggggaa agtgcatttg gccaaatgaa atggtagtca 180
 agcctattgc aacaaagtta ggaagtgtgt tggttggtta ttataaacia aaagcatgtg 240
 aaagtgcact taagatagag tttttattaa ttacttactt attacctaga ttttaaatag 300
 acaatccaaa gtctcccctt cgtgttgcca tcatcttggt gaatcagcca ttttatcgag 360
 gcacgtgatc agtgttgcaa cataatgaaa aagatggcta ctgtgccttg tgttacttaa 420
 tcatacagta agctgacctg gaaatgaatg aaactattac tcctaagaat tacattgtat 480
 agccc 485

<210> 8188
 <211> 367
 <212> DNA
 <213> Homo sapiens

<400> 8188
 gttctgcagg tctcgcktct gccaggagct acggccggaa gatggcggcg gccgcagcag 60
 ttgtcgctac tggagaagtc cctgggactg agtaagggga ataaatacag tgctcagggc 120
 gagcgacaga ttccagttct tcagacaaac aatgggtcaa gtctaacagg attgactact 180
 atagcagctc atctagtcaa gcaagcaaca aagaatattt gctggggagt actgcagaag 240
 aaaaagcaat cgttcagcag tgggttagaat acagggtcac tcaagtagat gggcactcca 300
 gtaaaaatga catccacaca ctggtgaagg atcttaattc atatcttgaa gataaagtct 360
 accttac 367

<210> 8189
 <211> 387
 <212> DNA
 <213> Homo sapiens

<400> 8189
 agtgttttgg ggcacagaag ctgtgggagg agctggaggc ttcaccgtgg taaccacagc 60
 gccgctgctg cccgccttg caggcctcag gactgtcatc gcctctgggt gtgaggggtac 120
 tttggccacc gtccccggaa ataaccgcgc ctgcctctca agatacccca tcctctccac 180
 gccgctgccg ctgccgccat gcaaggggag gacgccagat acctcaaaaag gaaagttaaa 240
 ggagggaata tagatgtaca tccatcagaa aaagcactca ttgttacta tgaagtggaa 300
 gctaccattc ttggagaaat gggggacccc atgttgggag aacgaaaaaga atgtcaaaaa 360
 atcattcgac ttaagagtct caatgcc 387

<210> 8190
 <211> 409
 <212> DNA
 <213> Homo sapiens

<400> 8190
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 aaaagatgaa gactcttggc ctccaggagt ttacattctc atgggtgctgt tggttcaagc 120
 agattgcttt agtttattaa tgaacattgc ttggctatta attatatcct atttgaag 180

atcccttggg	gaacagtttt	aaaaagcaga	gggctgtgct	aaatttcagg	gtattgatag	240
cttgagttta	cattgtatta	gccctgctcg	ttatcatttt	tttccccagg	gagctatgca	300
ggtaatgctc	attagcatga	atcagaaaag	aaaccattct	gcctaagagc	atcttaacca	360
tccnnctaaa	ccacctatgc	tctcctgtta	tagttgtcag	taaatcacg		409

<210> 8191
 <211> 205
 <212> DNA
 <213> Homo sapiens

<400> 8191						
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ttgcttcaac	agtgtttgga	cggaacagat	ccggggactc	tcttccagcc	tccgaccgcc	120
ctccgatttc	ctctccgctt	gcaacctccg	ggaccatctt	ctcggccatc	tcctgtttct	180
gggacctgcc	agcaccgttg	ccaac				205

<210> 8192
 <211> 249
 <212> DNA
 <213> Homo sapiens

<400> 8192						
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ggcgtgttg	ctgatcgctt	gggtgggttg	tggcgtgtcc	ctgcagcgaa	ggatcctggc	120
agtgaaaaag	cagtctggct	cccgaggctc	accccttagc	tgtcagcctt	ctgagcacc	180
agcagaggag	ggcgggggca	ggggctgcag	ccccagcgc	tgcctttgcg	gattctgttt	240
ttgagccgt						249

<210> 8193
 <211> 246
 <212> DNA
 <213> Homo sapiens

<400> 8193						
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tattgtgaag	atcatagaaa	gtaaaagaaa	attcatgtca	atkscgtgtc	tgctgtgcgc	120
caccaccccc	tctcctcttc	cagggctagc	agggctaccc	cgggctgggg	gctgtgttgc	180
cgcagctggc	cgcaccccc	tttccagggt	cctccggacc	ccaccttcca	cactctgatc	240
acagcs						246

<210> 8194
 <211> 367
 <212> DNA
 <213> Homo sapiens

<400> 8194						
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actaagttgg	tcatgatgca	gaagctactc	aatgcagtc	ggcttgcct	ggctcttgcc	120
ctcatcctgg	ttctgraatc	ctcagttcaa	gcttctctgtg	tgagcaaaca	ttttctcagc	180
ttgatactca	gtgcatcagc	ggcttgacga	agagactgcc	taggcctgct	ctgtccagta	240
cggtagccac	aagtcacttg	tggctactga	acacttgaaa	tgtggcaagg	ccaaattggg	300
acaggctgtg	aatgcaaaat	atacaagatt	tggaaaccctt	agtatgaara	aaagaatgca	360
aaatatac						367

<210> 8195
 <211> 533
 <212> DNA
 <213> Homo sapiens

<400> 8195
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 gcccatagtt tattataaag gtgactgcac cctgcagcca ccagcactgc ctggctccac 120
 gtgcctcctg gtctcagtat ggcgctgtcc tgggttctta cagtcctgag cctcctacct 180
 ctgctggaag ccagatccc attgtgtgcc aacctagtac cgggtgcccac caccaacgcc 240
 accctggacc ggatcactgg caagtgggtt tatatcgcat cggcctttcg aaacgaggag 300
 tacaataagt cggttcagga gatccaagca accttctttt acttcacccc caacaagaca 360
 gaggacacga tctttctcag agagtaccag acccaacttg ctccccctta ataaaacttt 420
 taagaagtca cattattgga aaacttaact tcaacatttg gscgtgactc aagctcttct 480
 gaagttctct gagatgactg aatatgaacc aaagctgcac tgtgctgtac ttt 533

<210> 8196
 <211> 401
 <212> DNA
 <213> Homo sapiens

<400> 8196
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 aactgtcccc gccttctccc gccttgactt gtgacctag gccctttggg ggcctctga 120
 ccagctagc cagatcccg acccaaacca tgttccctgt gaagggtgaaa gtggagaaat 180
 caggctgctt gggcctggct ctgagattgg ccagggcaga ggacacgcac gcccttcctt 240
 ggcccagtca gctgccacc tagctggggc ctgggagctg actcctgctg ggtcctctct 300
 tgccccagag ctggagatgg ccaaagccc gaaccaactg gatgctgtct tgcagkgctt 360
 gctggagaag agtcacatgg acaggggagc tctggatgag g 401

<210> 8197
 <211> 460
 <212> DNA
 <213> Homo sapiens

<400> 8197
 agttgggcaa aaaaatcaag gtatttggtc ccggaacaaa gcttatcatt acagaacaaa 60
 gttgaaactt ctgttttcac gttgatctgt acaaagaaga taatggagat tatttaccta 120
 aagtggatgt tataaagatt aaatgaaatt aaatatggaa attacctacc agaatgcctg 180
 gcacttgata aacaacttga tgcagatggt tcccccaagc ccactatttt tcttccttca 240
 attgctgaaa caaagctcag aaggctggaa catacctttg tcttcttgag aaatttttcc 300
 ctgatgttat taagatacat tgggaaraaa agaagagcaa cacgwtctgg gatcccagga 360
 ggggaacacc atgaagacta acgacacata catgaaattt agctgggttaa cgggtgccaga 420
 nnagtcactg gacaaagaac acagatgtat cgtcagacat 460

<210> 8198
 <211> 380
 <212> DNA
 <213> Homo sapiens

<400> 8198
 ctctggcgag ctttgcgctt cctgtgcgcc ggaagtgatc ccctgcgtgg ctgggctgct 60
 cgggttagat cgtcaggaaa agcctaaaga ttagactgta agaaaagaaa atagaagcca 120
 tgtttcgaag acctgtatta caggacttct gtcagtttgt aagacatgag tccgaaacat 180

ggcttctatt	ttcttttctt	acagtcta	cttttgtcat	caaagta	tctttccct	240
atacaccctt	tcacagttag	tgatttcact	gtccacacag	tttcttgagc	ttagagcctg	300
ggaaggagtc	accctaacc	ccttctcctc	tgtcaccact	cccacttgtc	attgactctg	360
aagcnsqktt	ccttggaacc					380

<210> 8199
 <211> 458
 <212> DNA
 <213> Homo sapiens

<400> 8199						
acgtgacgag	gaackagcct	tagcgaggcc	atgggggaaa	aagtctaact	ggcggaaactc	60
ctgggaactg	gggcgatggg	ctcttagtat	cggaggattg	gagccatctg	atttttacct	120
gaaattcctt	agtctctcct	gtgttgggga	aatggtcacc	ttgccttcag	ggacctgggc	180
tttcagctgt	ccatacctgg	ccctggttga	tggcggcagt	ctgggcagtg	cacgtgaaga	240
cgcacatggt	gaggaaatgg	cagagttgac	tctgggactg	gaaggagaca	gggaaacctg	300
ggcaggaaag	gaatagcagt	tagaagctac	agcataagag	gagaggaaca	aaggctgttg	360
ttttgggatg	ccatatttta	gaattgatga	atgtgtttat	tttatttaga	cgtatttgca	420
tcagacatgc	gtttaagtcc	tggctcagtc	acttacac			458

<210> 8200
 <211> 170
 <212> DNA
 <213> Homo sapiens

<400> 8200						
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ggccacgagg	acgtcaccat	gccccaaagca	ccaaagggaa	aaagtgcagg	acgggaaaaa	120
aaagtcatcc	atccatatag	tagaaaagca	gctcaaatta	cgagagagggc		170

<210> 8201
 <211> 225
 <212> DNA
 <213> Homo sapiens

<400> 8201						
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ctgtgcttgt	ggctgcggct	gctaactggc	tgcgcacaga	agcgagtcgg	ccgtctttcc	120
tttttcccc	ttacctacca	tatcctgact	tctactcctt	ttattctctc	aagcctcatt	180
tatcttcaac	ctctgtgagc	tttctttttc	tcccctactc	accac		225

<210> 8202
 <211> 336
 <212> DNA
 <213> Homo sapiens

<400> 8202						
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ctgtgcttgt	ggctgcggct	gctaactggc	tgcgcacaga	agctgagaga	agaggggtggc	120
aataagtact	tttgctctat	tctgaagcct	tggaaggagc	tgtcaccatg	cctcactcgt	180
accagccct	ttctgctgag	cagaagaagg	agttgtctga	cattgccctg	cggattgtag	240
ccccgggcaa	aggcattctg	gctgcggatg	agtctgtagg	cagcatggcc	aagcggctga	300
gccaaattgg	ggtggaaaac	acagaggaga	accacc			336

<210> 8203
<211> 419
<212> DNA
<213> Homo sapiens

<400> 8203
aaccgccct ccctccccgc cccgcgatgt cggaagaaac ccgacagagc aaattggccg 60
cagcgaagaa aaagttgaga gaatatcagc agaggaatag ccctgggtgtt cctacaggag 120
cgaaaaagaa gaagaaaata aaaaawtggc agtaaccctg agacaaccac ttctgggtgtt 180
tgccactcac ctgaggatat tcaggacatt ctgaagggtgc tgggtgtccga ccttaaccgt 240
tccaatgggg tagcgtctcc cccattggac aagtgggaaga caccgaagga caatgctgct 300
actctacaac catctgatga caccgtgtta cctggcggtg tcccttcccc tggtgccagt 360
ctcactagca tggcggcatc tcagaatcat gatgctgaca atgtccctaa tctcatgga 419

<210> 8204
<211> 455
<212> DNA
<213> Homo sapiens

<400> 8204
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agccatgccg tccaagggcc cgctgcagtc tgtgcaggtc ttcggacgca agaagacagc 120
gacagygtgg cgcactgcaa acgcggcaat ggtctcatca agctgctgga gccagttctg 180
cttctcggca aggagcgatt tgctgggtgta gacatccgtg tccgtgtaaa ggggtgggtgt 240
cacgtggccc agatttatgc tatccgtcag tccatctcca aagccctggt ggcctattac 300
cagaaatatg tggatgaggc ttccaagaag gagatcaaag acatccctcat ccagtatgac 360
cggkccctgc tggtagctga ccctcgtcgc tgcgagtcca aaaagtttgg aggtctggtg 420
cccgcgctcg ctaccagaaa tcctaccgat aagcc 455

<210> 8205
<211> 138
<212> DNA
<213> Homo sapiens

<400> 8205
aaaaatggaa taaacaactc ggaggaacca gagcgcgaga gagcgagtgg aggcagaatt 60
taaaaataaa ccggccctc cgcttcccc acccgcttgc cgctgccgct cctcttcccc 120
ctgcccgcgc cctegaag 138

<210> 8206
<211> 487
<212> DNA
<213> Homo sapiens

<400> 8206
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aagccgtgac ggccagamtg gttggtgtcc tgtggttcgt mtcartcact acaggaccct 120
ggggggctgt tgccacctcc gccgggggcr aggagtcgct taagtgcgag gacctcaaag 180
tgrracaata tcctctgtgg agaacacccc cccatggagg cgagatccaa aaataaatga 240
cgctacgcaa gaaccagtta actgtacaaa ctacacagct catgtttcct gttttccagc 300
acccaacata acttgtaagg attccagtgg caatgaaaca cattttactg ggaacgaagt 360
tggttttttc aagcccatat cttgccgaaa tgtaaatggc tattcctaca aagtggcagt 420
cgcatgtct ctttttcttg gatggttggg agcagatoga ttttaccttg gataccctgc 480
tttgggt 487

<210> 8207
 <211> 335
 <212> DNA
 <213> Homo sapiens

<400> 8207
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 ccttatatat tgatttagaa tcttaagtta gaattttata gaagaaatgt ctgagcagtt 120
 ctatgtatgg aggagcaatt cagcttttca gcagcaactt tatcttttgc cactagaggg 180
 agatctgtgg ttgctttctc ctttggagaa tagctgcttt gcttttattt ttaatttcta 240
 aggttggaaat agaacttatt ctcaaaattc ctttagtggt attaaatatt ttcatttatt 300
 agtcaaaggt aagttaatta agcttgttta atgat 335

<210> 8208
 <211> 196
 <212> DNA
 <213> Homo sapiens

<400> 8208
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 ctgctcatca tccagagcag ccagtgtccg ggaggcagaa ggtaggctca agatcagcct 120
 ggcagaacgc caaacctagg gcccttgga cccagaggcg aggggggtgcc tgctggctgc 180
 cctgtcccca ctccct 196

<210> 8209
 <211> 444
 <212> DNA
 <213> Homo sapiens

<400> 8209
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 ctctctctct ctttttttcc cgccctagct ggggctgtgt tggaggagag gaagaaagag 120
 agacagagga ttgcattcat ccgttacgtt cttgaaattt cctaatagca agaccagcga 180
 aggattgcac ctttttcaat cttgcaaagg aaaaaaacia aacaaaacia aaaaaacca 240
 agtccccctt ccggcagttt ttgccttaaa gctgccctct tgaaattaat tttttcccag 300
 gagagagatg tcttatcagg ggaagaaaaa tattccacgc atcacgagcg atcgtcttct 360
 gatcaaagga ggtaaaattg ttaatgatga ccagtcgttc tatgcagaca tatacatgga 420
 agatggggtg atcaagcaaa tagg 444

<210> 8210
 <211> 237
 <212> DNA
 <213> Homo sapiens

<400> 8210
 gaacaatatc tgtagatgat ttatacaaaa aaaaattgca atacacaatt ctacatcaag 60
 ctcaataacc attttttggt tgcaagtttg acacatgaag gccttgaggt ttattactct 120
 tgtaacttat taaggcatc atggcctaga gtttattact tgtgtaattt cactggggaa 180
 aacaattggt aaagtgtcaa catcagtaga aatctcaaca agccgaaagg taagagg 237

<210> 8211
 <211> 502
 <212> DNA

<213> Homo sapiens

<400> 8211

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gtgtgtgctg	gtgtatgtgc	gagcgcggtg	gagggggggg	accaactgct	tcacactttc	120
aacactgcac	tgaagaggga	gagcgcagaga	gagactggag	acgcacagat	ccccccaagg	180
tctcccaagc	ctaccgtccc	acagattatt	gtacagagcc	ccaaaaatcg	aaacagagga	240
aacgaacaag	cagttngaac	atggacgaag	gaattcctca	tttgcaagag	agacagttac	300
tggaaacatag	agattttata	ggactggact	attcctcttt	gtatatgtgt	aaacccaaaa	360
ggagcatgaa	acgagacgac	accaaggata	cctacaaatt	accgcacaga	ttaatagaaa	420
agaaaagaag	agaccgaatt	aatgaatgca	ttgctcagct	gaaagattta	ctgcctgaac	480
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<210> 8212

<211> 407

<212> DNA

<213> Homo sapiens

<400> 8212

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gtgtgagcag	cctgtttatt	tctctaatat	tatgtcagtt	tattctcttt	aatggactgt	120
aaaaaaatgt	aatcacaga	gtgccaaata	tcttgaaatg	ccaaaagrca	ttttagtttc	180
ttttctctgt	gctctgagtc	cacgtacagg	aatgcttgga	gtgtcttttc	tgttatttat	240
agggattctc	ttaaggcaca	ccagctgcct	gttttgcatg	gtatttgcaa	aaatgcctct	300
tgcgtgagga	aatcttttac	cattttttgt	ttgcaacttt	ggacctcaag	aggtttcctt	360
tcccttcccc	gttccctctt	ttcttaattc	aatattctgt	atgttgc		407

<210> 8213

<211> 313

<212> DNA

<213> Homo sapiens

<400> 8213

gctgcggtga	yttttttcac	gtgtcgccag	ggccggactg	cgagtctctt	tgccggcgcta	60
cactagagca	gagtacgagt	ctgaggcgga	gggagtaatg	gtgagtcccg	cgtggccccg	120
aggcctgcag	gcccgggcct	gtctgaggcg	tacggggatc	cctgacgccc	ctcttttgtt	180
gggctgggag	ggagggattg	gtggccactc	agtgaccagc	gcccgatggc	accttgagagc	240
ggcaaggccc	gcccgaacct	tttctcccc	agggctcttt	gcacgcgcgt	gtgctgcccg	300
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<210> 8214

<211> 621

<212> DNA

<213> Homo sapiens

<400> 8214

acaaggctctg	atagttttat	aagggtacttt	tctccctttt	gtcatactt	ctccttgcctg	60
ctgccatgtg	aagaaggatg	tgtttgcttc	tccttctgcc	atgattgtga	cattcccaga	120
acctggaggc	caggctatga	cacagagtca	atcaataacc	aggagatct	gtgatatagc	180
ccagtaggtg	gggccttgct	gccatctgcc	atatgacct	tccagtccca	ggcttctgaa	240
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ggagctgact	ccctgggaag	agaggccaaa	tgttacaatg	aacttaatgg	atgcaccaag	420
atatatgacc	ctgtctgtgg	gactgatgga	aatacttatc	ccaatgaatg	cgtgttatgt	480

06-03-2006

<210> 8218

<211> 596
 <212> DNA
 <213> Homo sapiens

<400> 8218
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 ggggtagggg ttggcgctca ggcggcgacc atggcgatc acggcctcac tgtgcctctc 120
 attgtgatga gcgtgttctg gggcttcgtc ggcttcttgg tgccttggtt catccctaag 180
 ggtcctaacc ggggagttat cattaccatg ttggtgacct gttcagtttg ctgctatctc 240
 ttgtcacgag aagagaatgc cttctagatg caaaatcacc tccaaaccag accacttttc 300
 ttgacttgcc tgttttggcc attagctgcc ttaaactgta acagcacatt tgaatgcctt 360
 attctacaat gcagcgtgtt ttcttttgcc ttttttgac tttgggtgaat tacgtgcctc 420
 cataacctga actgtgccga ctccacaaaa cgattatgta ctcttctgag atagaagatg 480
 ctgttcttct gagagatacg ttactctctc cttggaatct gtggatttga agatggctcc 540
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<210> 8219
 <211> 200
 <212> DNA
 <213> Homo sapiens

<400> 8219
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 cccggggcaa ctcgacaggt ttgctcattt attgcaacgg tcaaggctgg cttgtgccag 120
 aacggcgcg gcgcgcgaac gcacgcacac acacgggggg aaactttttt aaaaatgaaa 180
 ggctagaaga gctcagcggc 200

<210> 8220
 <211> 203
 <212> DNA
 <213> Homo sapiens

<400> 8220
 ccacaaatag cacatgtgtg caaactggaa aaatgaaccc ttcttcttgg aggacgccag 60
 cccaggccag gtcacccggc ttggccagca gaacacagag tagatttttg tcccgtttgt 120
 tccccagtgg ggtatctatc cttgtgcagg gcacaagcct acatggtggc tctggtcata 180
 tcattagaaa atagacagaa atg 203

<210> 8221
 <211> 493
 <212> DNA
 <213> Homo sapiens

<400> 8221
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 atcgctcca gagaggagat tgaagctact aagaatcatg ttctagagac cttctacccc 180
 atatcaccca tcatcgatct tcatgaatgc aatatattatg atgtgaaaaa tgacacagga 240
 ttccaggaag gctatcctta cccctatccc cataccctgt acttactgga caaagccaat 300
 ttacgaccac accgccttca accagatcag ctgcgggcca agatgatcct gtttgctttt 360
 ggcagtgcc tggctcaggc cggctcctc tatgggaatg atgccaaggt cttggagcag 420
 cccgtggtgg tgcagagcgt gggcacggat ggacgtgtct tccanttct agtgtttcaa 480
 ctgaatacca cag 493

<210> 8222
 <211> 408
 <212> DNA
 <213> Homo sapiens

<400> 8222
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 aagggccaac ccgtctttcc tytgscagg tgctatctag acctgaagta gcgggaagag 120
 cagaaaggat ggggcagcca tctctgactt ggatgctgat ggtggtggtg gcctcttggg 180
 tcatcacaac tgcagccact gacacctcag aagcaagatg gtgctctgaa tgtcacagca 240
 atgccacctg cacggaggat gaggcogtta cgacgtgcac ctgtcaggag ggcttcaccg 300
 gcgatggcct gacctgcgtg gacctggatg agtgcgcatc cctggagctc acaactgctc 360
 cgccaacagc agctgcgtaa acacgccagn ttccttctcc tgcgnctg 408

<210> 8223
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 8223
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 ctctgggttc aggaatcctc aggcagcaga ggggacttgc tcctcagccc ccatcactgc 120
 cccacccctt acccgtgtag gccaccgagt gaggcccatg gactggggag ggctgtgcct 180
 gacgactcct gtgtccctct atgaggggccc agcgccctga ccctcctgcc taggtttcta 240
 ccttttctct ctgtcttttg ccagctgggg gagggggtag aggccgggtg agcaacatgg 300
 cacagagcaa gaggcacgtg tacagccgga cgcccagcgg cagcaggatg agcg 354

<210> 8224
 <211> 211
 <212> DNA
 <213> Homo sapiens

<400> 8224
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 tctcctttca tttcacttta cttgctgtaa caccctaaaaa tgcagagtga ggttgatttc 120
 acctagaatt tgtaaaakaag acctggcctc tgcctggaat ttacaaggca aagccagact 180
 ttggattgag aatttacaga aaaccaacag g 211

<210> 8225
 <211> 779
 <212> DNA
 <213> Homo sapiens

<400> 8225
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 tgtcamaaca tgggtgctact tcttcttctt tttgttaaca gcaacgrrcc ctagaaatat 180
 atcctgtgta cctcactgtc caatatgaaa accgtaaaagt gccttatagg aatttgcgta 240
 ackaacacac cckgcttcat tgacctctac ntrctgaagg agaaaaagac agcgataagc 300
 tktcaatagt ggcatacca atggcacttt tgatgaaata aaatatcaat attttctgca 360
 atccaatgca ctgatgtgtg aagtgaagaa tccmtcagaa aaccaaaggg tgctaggagg 420
 tgtgggtgcc ttccatactg tttgccatt ttcattcttg tattataatt aattttctac 480
 ccccagagat aaatgtttgt ttatatcact gtctagctgt ttcaaaattt aggtcccttg 540
 gtctgtacaa ataatagcaa tgtaaaaatg gttttttgaa cctccaaatg gaattacaga 600

ctcagtagcc	atatcttcca	acccccagc	ataaatttct	gtctttctgc	tatgtgtggt	660
actttgcagc	tgcttttgca	gaaatcaca	ttttcctgtg	gaataaagat	ggcccaaaaa	720
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<210> 8226
 <211> 681
 <212> DNA
 <213> Homo sapiens

<400> 8226	
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ttcytctgcc	ttatttctgg cctccgttgc aactgttttg acctagtga ggcctagact 180
ttctcagaca	gatttctttt aactcttctg ccctgactcc agtcttcaact gggatgctgc 240
cttgcaactta	gggaagggtc acatgcctca aggatctctc tctctcagat ttcttgactt 300
tccctcagtc	ttcagtatag tccctctctg tgccctggta agacctgtgg taaagtgtgc 360
gcagagagga	agctaaatca cgtaaaaatt aagaaacagc tcagcgtttc acagctaagc 420
tgccggcttc	cccttggaagg aataggagta racctgctga actatcacat gagagaagag 480
gccccaaagc	ttgcacacta cagtcaagct ggcccttaaa gagatggacc tagaagatgc 540
tgagccagat	gtactcaatt acttctccaa aattcatcaa ttrggaatac aacatgttta 600
agaccacaga	acatctgcat aggcgtgtaa tttcgttgaa tgatggatgc aaagatggaa 660
gacagatgga	tagaggaaaa g 681

<210> 8227
 <211> 213
 <212> DNA
 <213> Homo sapiens

<400> 8227	
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gaagcccgtc	accatgtcgt gcgagtcgtc tatggttctc gggtagctgg atggctgccc 120
ataaaaaata	atacctgcca ttaaaataaa taataaggag ggggaaggaga gagagggtca 180
gggaaataat	acaataaact atgtaaatc caa 213

<210> 8228
 <211> 348
 <212> DNA
 <213> Homo sapiens

<400> 8228	
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agctaaggca	waggagggag gatgctgtgg tcatcctttc ttgttttttt cttctttaat 120
gaggatagag	cacatgtgag attttacttt ctactccart aaaaattctg aagaattgca 180
ttggagactg	ttatattcaa cacatacgtg gattctgtgt tatgatttac atttttcttt 240
atttcaggka	akcccttgct gctattgaac aacgcattgc agawgagaaa gctaagagac 300
ccaaacagga	acgcaaggat gaggatgatg aaaatggccc aaagccaa 348

<210> 8229
 <211> 566
 <212> DNA
 <213> Homo sapiens

<400> 8229	
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ctcagcgtct	gaggaatttt	gtctgcggct	cctcctgcta	cattctgagt	ggggaaaggg	120
actaaggtgg	tctgaggacc	ccacagagtc	aggaagattg	agagcctgat	aaaggtcctg	180
cgggcaggac	aggacctccc	aaccaagccc	tccagcaagg	attcagagt	ccccccggc	240
ctcgccatga	ggctcttctt	gtcgctcccc	gtcctggtgg	tggttctgtc	gatcgtcttg	300
gaaggcccag	ccccagccca	ggggacccca	gacgtctcca	gtgccttgga	taagctgaag	360
gagtttgaa	acacactgga	ggacaaggct	cgggaactca	tcagccgcat	caaacagagt	420
gaactttctg	ccaagatg	ggagtgggtt	tcagagacat	ttcagaaagt	gaaggagaaa	480
ctcaagattg	actcatgagg	acctgaagg	tgacatccca	ggaggggct	ctgaaatttc	540
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<210> 8230

<211> 627

<212> DNA

<213> Homo sapiens

<400> 8230

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actaaggtgg	tctgaggacc	ccacagagtc	aggaagattg	agagcctgat	aaaggtcctg	180
cgggcaggac	aggacctccc	aaccaagccc	tccagcaagg	attcagagt	ccccccggc	240
ctcgccatga	ggctcttctt	gtcgctcccc	gtcctggtgg	tggttctgtc	gatcgtcttg	300
gaaggcccag	ccccagccca	ggggacccca	gacgtctcca	gtgccttgga	taagctgaag	360
gagtttgaa	acacactgga	ggacaaggct	gatgagttcc	cgagccttgt	cctccagtgt	420
gnttccaaac	tccttcagct	tatccaaggc	actggaactc	atcagccgca	tcaaacagag	480
tgaactttct	gccaaagatg	gggagtgggt	ttcagagaca	tttcagaaag	tgaaggagaa	540
actcaagatt	gactcatgas	gacctgwagg	gtgacatccc	asgagggg	tctgaaattt	600
cccacacccc	agcgctgtg	ctgagga				627

<210> 8231

<211> 356

<212> DNA

<213> Homo sapiens

<400> 8231

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tgcaccccc	gaatttaatt	ctctacttct	atgctctttt	atttctctct	tcaacatgtg	120
tagcatatgt	tgtaccaga	gacaactgct	gcactcttaga	tgaaagattc	ggtagttatt	180
gtccaaactac	ctgtggcatt	gcagatttcc	tgtctactta	tcaaaccaaa	gtagacaagg	240
atctacagtc	tttggagac	atcttacatt	tctgccaaga	tgccggagtg	gttttcagag	300
acatttcaga	aagtgaagga	gaaactcaag	attgacttnc	gmmcgatsng	aagggt	356

<210> 8232

<211> 382

<212> DNA

<213> Homo sapiens

<400> 8232

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tctaggcaga	gaagaggcga	tggcggcgat	ggcatctctc	ggcgccctgg	cgctgctcct	120
gctgtccagc	ctctcccgt	gctcagggat	ctgcctctct	tggtccagam	ccagagcctt	180
ctctgacgtc	ctctgctgaa	gccatcgctt	tgccagggca	ccacatttgg	acagcgggtg	240
gctgagaaca	ttcccacttt	ggggagcctt	tgtttcacac	cctctgatgt	aggcggcagc	300
ttccttttct	ttgggcctct	ggttatggag	aaggctaagg	caaggctcct	tctctcacag	360
ctaacaagtt	gtgcttctgg	aa				382

<210> 8233

<211> 440

<212> DNA

<213> Homo sapiens

<400> 8233

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gatgateccta	aacaaagctc	tgmtgctggg	ggccctcgct	ctgaccaccg	tgatgagccc	120
ctgtggaggt	gaagacattg	tggtgacca	tgttgctct	tgtggtgtaa	acttgtagcca	180
gttttacggt	ccctctggcc	agttcaccca	tgaatttgat	ggagatgagc	agttctacgt	240
ggacctggag	aagaaggaga	ctgcctggcg	gtggcctgag	ttcagcaa	ttggagggtt	300
tgaccgcgag	gtgcactgag	aaacatggct	gtggcaaaac	acaacttgaa	catcatgatt	360
aaacgctaca	actctaccgc	tgctaccaat	gaggttcctg	aggtcacagt	gttttccaag	420
tctcccgtga	cactgggtca					440

<210> 8234

<211> 514

<212> DNA

<213> Homo sapiens

<400> 8234

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gaamctatta	aagggtccag	gatcactttt	aagggatttt	tattagttta	aaggtaaata	180
aagtcagctg	aatctacatg	tctcttggtt	tatttctctc	taaacttgaa	aacagtaa	240
ctgcagatac	tgtgaggcac	aaattatact	gtcaasctac	tgttgctatg	gttatatact	300
cccacttcat	acattaccaa	gagtcgatca	ctgatttaaa	atttttaatt	tctatagtta	360
agattttactg	cataatatag	aataataaagt	taagttaaca	tactaacatt	tctcctttgg	420
aggaagtttt	aatctacttc	aggatgcata	ttattatcaa	gatactttca	tatacaggat	480
agcctaattt	tatttggtta	aatatgctta	atat			514

<210> 8235

<211> 337

<212> DNA

<213> Homo sapiens

<400> 8235

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agatttgctc	tgggccgggtg	gnactgagtc	taagcactgc	ggtgaagrag	wtagtagraa	180
acagtctgga	tgctgggtgcc	actaatattg	atctaaagct	taaggactat	ggartggatc	240
tcattgaagt	ttcaggcaat	ggatgtgggg	tagaagaaga	awnnttcgaa	ggcttaagta	300
agttaacttt	ctaactctat	tacaaaataa	nntgggg			337

<210> 8236

<211> 258

<212> DNA

<213> Homo sapiens

<400> 8236

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ccggagagcg	cgctctgcct	gccgcctgcc	tgccctgccac	tgaggggttcc	cagcaccatg	120
agggcctgga	tcttctttct	cctttgctg	gccggggaggg	ccttggcagc	ccctcagcaa	180

gaagccctgc ctgatgagac agaggtggtg agagggtaag ggtgtagagg aaggtagtgg 240
tatagatttg gtgatggg 258

<210> 8237
<211> 461
<212> DNA
<213> Homo sapiens

<400> 8237
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gctttcagag tacaataaac agggaatgag aactatttac atggaagttt ctttctcatg 120
atgcggtgga gaagcctcgg ccacttggtt ctgccagatg ttcttggggg tactgtaaat 180
gggaaggaca ggcagagcta aacaagggtt atcatttaaa agtgcctgtg tgaagtcact 240
tttgctggaa aactgcagct tgggagcttt ctttgtattc acatcccact cttctgtcaa 300
gtacacttta ccctgacctt atgagtggat gaagatacct cagttgtctg actttgccaa 360
ttgcttamyt cagaatttaa aaaggggaaa gaaaacatcc tgctaaaata tgaacatctg 420
agtgcycctg taaacatgtg tcaactgggca gcggtgctct a 461

<210> 8238
<211> 458
<212> DNA
<213> Homo sapiens

<400> 8238
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gctttcagag tacaataaac agggaatgag aactatttac atggaagttt ctttctcatg 120
atgcggtgga gaagcctcgg ccacttggtt ctgccagatg ttcttggggg tactgtaaat 180
gggaaggaca ggcagagcta aacaagggtt atcatttaaa agtgcctgtg tgaagtcact 240
tttgctggaa aactgcagct tgggagcttt ctttgtattc acatcccact cttctgtcaa 300
gtacacttta ccctgacctt atgagtggat gaagatacct cagttgtctg actttgccaa 360
ttgcttaatt tcagaattta aaaaggggaa agaaaaacat cctgctaaaa tatgaacatc 420
tgagtgtctt attttccaac atcgtcaata gctgtgag 458

<210> 8239
<211> 386
<212> DNA
<213> Homo sapiens

<400> 8239
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cttgagcggc atccgtggag tgcgcctgcg castacgacc gcagcaggaa agcggccg 120
gccaggccca gctgtggcgg gacagggact ggaagagagg acgcggtcga gtaggtttta 180
aaacatgaat cctacactca tccttgcctg cttttgcctg ggaattgcct cagctactct 240
aacatttgat cacagtttag aggcacagtg gaccaagtgg aaggcgatgc acaacagatt 300
atacggcatg aatgaagaag gatggaggag agcagtgtgg gagaagaaca tgaagatgat 360
tgaactgcac aatcaggaat aggggg 386

<210> 8240
<211> 441
<212> DNA
<213> Homo sapiens

<400> 8240
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cttgagcggc	atccgtggag	tgcgcctgcg	castacgacc	gcagcaggaa	agcgccgccc	120
gccaggccca	gctgtggccg	gacagggact	ggaagagagg	acgcgggtcga	gtaggtgtgc	180
accagccctg	gcaacgagag	cgtctacccc	gaactctgct	ggccttgagg	ttttaaaaca	240
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<210> 8241
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 <212> DNA
 <213> Homo sapiens

<400> 8241						
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gctgaagcag	gtaggaactg	tgagcttgta	ttctgagtca	tttagctcta	agctgtttct	120
tgattctggg	gataaatatc	tacactgggt	gagaagatag	tggataaagt	cccatataac	180
acctgccaac	taattgttaa	aacattccat	ctcactgtgc	ctcagttttc	tctctctgcc	240
ctgtgggctc	attatttttc	tttcaacacc	tctgtctttt	ctagactctc	agaaagatat	300
attgggtcag	gactatgcc	ttataggaaa	ttttgacctg	aaaggatggg	gggaactggg	360
taaaggcagg	attctatcat	tctgctactt	gctgtgtgac	tggagcagtg	actcaactct	420
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<210> 8242
 <211> 554
 <212> DNA
 <213> Homo sapiens

<400> 8242						
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acaaccccag	caatgtggag	aagcctgggg	cttgccctgg	ctctctgtct	cctcccatcg	120
ggaggaacag	agagccagga	ccaaagctcc	ttatgtaagc	aacccccagc	ctggagcata	180
agagatcaag	atccaatgct	aaactccaat	ggttcagtga	ctgtgggtgc	tcttcttcaa	240
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aagaaagaag	gatattctaa	tatttcttat	attgttggtta	atcatcaagg	aatctcttct	360
cgattaaaaat	acacacatct	taagaataag	gtttcagagc	atattcctgt	ttatcaacaa	420
gaagaaaacc	aaacagatgt	ctggactctt	ttaaatggaa	gcaaagatga	cttcctcata	480
tatgatagat	gtggccgtct	tgtatatcat	cttgggttgc	ctttttcctt	cctaactttc	540
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<210> 8243
 <211> 406
 <212> DNA
 <213> Homo sapiens

<400> 8243						
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gactggacct	ggagcatcct	tttcttggtg	gcagcagcaa	caggtgcccc	ctcccagggt	120
cagctgggtg	agtctggagg	tgaggtgaag	aagcctgggg	cctcagtga	gggtctctgc	180
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aagggtctga	gtggmtggga	tgatcacag	gtaacaatga	tagcacaac	tatgcacaga	300
agttccagga	cagaatttcc	ctgaccgcag	acacatccac	taaaacagtg	tatatggagt	360
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<210> 8244
 <211> 195
 <212> DNA
 <213> Homo sapiens

<400> 8244
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 ttgcttctag tttatcaaaa ccacagcccc acctcaaaac cttttgcaga gtttaattttt 120
 cacagaatag ccagagggat gtttaaaaga cacttttcat tgccctcccc tctcagtcac 180
 aatccaccat gatcc 195

<210> 8245
 <211> 305
 <212> DNA
 <213> Homo sapiens

<400> 8245
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 gcggcacgtg acggtcgggc cgcctccgcc tcyctcttta ctgcggcgcg ggcaccccs 120
 cggctcctcg gaggctagag atcatggaag ggaagtgggt gctgtgtatg ttactgggtgc 180
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 ttctt 305

<210> 8246
 <211> 400
 <212> DNA
 <213> Homo sapiens

<400> 8246
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 gcagatggtg cagtctgggg ctgaagtgaag gaagactggg tcctcagtga aggtttcctg 180
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 agcacagcct acatggagct gagcagcctg agatctgagg 400

<210> 8247
 <211> 374
 <212> DNA
 <213> Homo sapiens

<400> 8247
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 atctgtggac aaaagagggt ttctcactc cttttactca ctgggctcat gacagtgaag 180
 gagatgtccc atctgcttct ccccttttct cttgctgtag tccaatgtgc tatgagcatc 240
 agcttacttt gtcacttaga gcaagcaaaa cccagtgcga gagtctcgtt cagctctaaa 300
 taggtttgct ttcttttagt tacagtgcgc attttgaaat tgccatatata gtcttagtga 360
 ccatttaaac cgga 374

<210> 8248
 <211> 377

<212> DNA
<213> Homo sapiens

<400> 8248

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tcctccccgc	cctcagggtc	cacggccacc	atggcgattt	aggggcagca	gtgcctgcgg	120
cagcattggc	ctttgcagcg	gcggcagcag	caccaggctc	tgcagcggca	acccccagcg	180
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accttcgaat	taagcacatt	cctcgattcc	agcaaataca	cctatgtgca	tacattcaca	300
tttctcacc	tttcttacac	aaatgtagtg	gntmtacata	aatgttctgc	actttgcttt	360
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<210> 8249

<211> 389

<212> DNA

<213> Homo sapiens

<400> 8249

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grtscagctr	strcagtctg	gggctgaggt	gaagaagcct	gggtcctcgg	tgaaggctct	180
ctgcgaggct	tctggataca	ccttcagcaa	ctatgctgtc	agctgggtcc	agggcagagt	240
cacgattacc	gcggacgaat	ccacgaacac	cnnntatat	gggactgacc	agcctgacat	300
ctgaggacac	ggmcatTTac	tactgtgcga	gangyccggc	gccttcrgtg	actacatatc	360
gtccttanrn	ttactactac	ggtatggac				389

<210> 8250

<211> 306

<212> DNA

<213> Homo sapiens

<400> 8250

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rgtgcagctt	ggtgcagtct	ggggatgagg	tgaagacgcc	tgggtcctcg	ataaaaatct	180
cctgtaagcc	ttctgmaggc	accctcggca	aatacgacgt	cagttgggtg	cgacagattc	240
ctggamaagg	gcttcaatgg	atgggaggaa	tcagccnttt	cgctataga	tcaganttgg	300
cacaga						306

<210> 8251

<211> 470

<212> DNA

<213> Homo sapiens

<400> 8251

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catggactgg	acctggaggt	tcctctttgt	ggtggcagca	gctacagggtg	tccagtccca	120
gstgcagctg	stgcagtctg	gggctgasgt	gaagargcct	gggtcctcgg	tgarggtctc	180
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ctggacaagg	gcttgagtgg	atgggagaga	tcacccctct	ctctggaaca	acaatctacg	300
cacagaagtt	ccagggaaga	ctcactataa	ccgcgcacga	ytccacaaas	acagcctaya	360
tggawctgm	tagcctgaga	tctgwgagca	cggccattta	ttactgtgcg	akangyccgg	420
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<210> 8252
 <211> 389
 <212> DNA
 <213> Homo sapiens

<400> 8252
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 catttggtcc catcaattcc tcctttaaaa tgactatcac aggtgtccct tctttctctc 180
 tgtcttatta cccctctgtc atgaagaatt ggaagagctg gtcttagctc tgccctctggc 240
 tgctggccta gtttcttcat cactgaagtg aacagattat acaggattgt cttagatccc 300
 tttcagagct aacattctgt tctactcatc caggttttca ccttctcaca cttacatcac 360
 agtaacttcc taattgtttt tcatccctt 389

<210> 8253
 <211> 287
 <212> DNA
 <213> Homo sapiens

<400> 8253
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 gcttccggtg cggagggtcag ggacaagatg gtgccaccgg tgcagggtctc tccgctcatc 120
 aagattacct aaaacctcgg gcagaagagg agaggaggat agcagcagaa gagaagaaga 180
 agcaggatga actgaaacgg attgccagag aattggcaga agatgacagc atattaaagt 240
 gagtgaccct gcgacccact ctttgnacca gcagcggatg aataaag 287

<210> 8254
 <211> 360
 <212> DNA
 <213> Homo sapiens

<400> 8254
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 atcctacagg agtccagggc tggagagaaa acctctgcga ggaaagggaa ggagcaagcc 180
 gtgaatttaa gggacgctgt gaagcaatca tggatgcaat gaagagaggg ctctgctgtg 240
 tgctgctgct gtgtggagca gtcttcgttt cgcccagcca ggaaatccat gcccgattca 300
 gaagaggagc cagatcttac caagtgatct gcagagatga aaaaacgcag atgatatacc 360

<210> 8255
 <211> 261
 <212> DNA
 <213> Homo sapiens

<400> 8255
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 caggcctaca cccaggtaa aacctctgct caagagttgg gttgtgggtc tgggagcgtg 120
 cagcctccac acaggcctgt tgggcttgct gaggcttggg ggttctgaga atctcgtcga 180
 ggcgagtgtg cggctccttc tacggctta aagggcctca gttttcgggtg ggatggcagc 240
 ggtatttggt tgcagccggc c 261

<210> 8256
 <211> 435
 <212> DNA

<213> Homo sapiens

<400> 8256

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aataatttta	aatataatat	ttcagttaat	taagatctgt	ttwacagtta	gactgacact	120
tgtgaattgt	tttctcttct	tgaccaatc	tcatacatta	ctaactgaag	ttgtcatgtg	180
ttcacaawka	taatttaa	gaacataggg	tttgtgaaa	cctgacagat	cctaactata	240
attcagctag	tgggcagcat	tataatttat	ttatagctgt	gtaatatagc	aattaatgaa	300
ctaataata	atgagggcaa	attgtactat	atdddgcatt	aaattataca	acacaacaaa	360
gggtggcatt	atgtagtta	gtaccacaaa	aatgttaacc	tacttgcra	aratacaatt	420
aataatgtac	ataaa					435

<210> 8257

<211> 435

<212> DNA

<213> Homo sapiens

<400> 8257

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gcattgcata	gttgatcaag	tcactctctg	gcctaaaacc	ttccttggtc	ccctgctgcc	180
ctcaggataa	agtctggacc	cctcagcatg	gcttgtgaga	ctcatgggtg	ccttgtccct	240
gctcacctct	ctgggtctcat	cacttgcctt	cttgcattct	gggtcccagc	ctcctgtatc	300
cagagatgca	gtggctctcc	attgccactc	tgattcctcc	tttcttttgg	tcacagagaa	360
aggggtacttt	ctctgtcaaa	tctcaactta	gacttgactt	cctccaagga	gctttggcta	420
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<210> 8258

<211> 285

<212> DNA

<213> Homo sapiens

<400> 8258

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tcatttttta	atgcgaaggc	taagtgtcac	cccctttctc	tgctcttggt	tgggccttgc	180
taaggggcaa	ggaaagaaag	acatttttta	gggggcagcc	agtccaaatg	ccaaaagaag	240
accagttctt	gccttgattg	tatgaaattt	gacattttgg	cactt		285

<210> 8259

<211> 302

<212> DNA

<213> Homo sapiens

<400> 8259

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aataggagct	tgctccgtcc	actccacgca	tcgacctggg	attgcagtac	ctccagggaac	180
gggtgcacccc	ctccggggat	acaacgtgtt	tcctaanagt	ggagggagggt	gagagacggg	240
agcacctgcg	ggncggcttg	cacgcccaggt	gcctgtgann	gcgcccggctt	gacttaactg	300
ct						302

<210> 8260

<211> 430

<212> DNA

<213> Homo sapiens

<400> 8260

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aataggagct	tgctccgtcc	actccacgca	tcgacctgga	tgcttggtca	caatagggaa	180
gcgggggtgg	ctcctcccct	agcctgcagg	aagcccttgg	tagcccaactt	atccaccttc	240
tcctgggtgt	gtggctcagc	agccaagtcc	ttgtgcaactg	ggttggttcc	cagcatgagc	300
ctggtggcct	ggcgggccct	ggcaccatgg	agagcagcct	gctgccagtg	atggcctgga	360
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gggtaacagg						430

<210> 8261

<211> 495

<212> DNA

<213> Homo sapiens

<400> 8261

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actataacat	tgaatcaatt	aaaaacgcgg	tttttgagcc	cattactgtt	ggagctacag	180
ggagagaaac	aggaggagac	tgcaagagat	cattggaggc	cgtgggcacg	ctctttactc	240
catgtgtggg	acattcattg	cgggaataaca	tcggaggaga	agtttcccag	agctatgggg	300
acttcccac	cggcgcttct	ggtcttaggc	tgtcttctca	cagggctgag	cctaatacctc	360
tgccagcttt	cattaccctc	tatccttcca	aatgaaaatg	aaaagggtgt	gcagctgaat	420
tcacctcttt	ctctgagatg	ctttggggag	agtgaagtga	gctggcagta	scccatgtct	480
gaagaagaga	gctcc					495

<210> 8262

<211> 147

<212> DNA

<213> Homo sapiens

<400> 8262

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ggctgcactt	cttggaaagt	aagccgggtt	gggttttgtt	tcccttnccc	ccknytccck	120
cctcttcttc	cacccctttc	cctccc				147

<210> 8263

<211> 477

<212> DNA

<213> Homo sapiens

<400> 8263

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catctcatta	tggtctttaa	cctctatca	ttccactgaa	attgctcttt	cagatgtcac	120
aatgatgat	ctgattgcta	aatttaaagt	gtatatcttc	agttttcact	ctgaataactt	180
ctgctgcatt	tgatatgaac	cacttttctc	ttgaaattct	ctcctttctt	ctctgaccat	240
atctttctca	tcacctgcct	tcaatggatt	ctcttaaggg	aagcattcta	aatgtggctg	300
ttcttgaggt	ttatcttggg	gtgcactttt	ctacgcaccc	ttatgggtta	aaactaacac	360
ccaccccaaa	atacatgtct	tcactctcaga	cctctcccct	gcgtttcaga	cttatatagc	420
taactacctt	cacctaagca	tttcaactgg	tctcctaatt	caagtattta	aaactga	477

<210> 8264
<211> 519
<212> DNA
<213> Homo sapiens

<400> 8264
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aagcaaaggg ccagtagcg agggccactg gagcccatct ccggggggct gggcaggaag 120
tagggtagggg tttggggtag ggatctggta ccctgggact gctgcaactc aaactaacca 180
accactggg agaagatgcc tgggggtcca ggagtcctcc aagctctgcc tgccaccatc 240
ttcctcctct tctgtctgtc tgctgtctac ctgggtatgt ggccaaaggg caggaactgg 300
cgggaggtgg gggaaagctgt ggaggctgca gagaggcac aggcagaggg aagggggctc 360
agggaaaggg gaagaggagg cagaggatag gggaccagg gaagatgcct atagaaatcg 420
tatctgtgcc aagatgggcc aaggtggggc tggaggagc ccagcgaagg agaaggggcg 480
tccacagtct cacacagga ggcaggagca agagtccac 519

<210> 8265
<211> 437
<212> DNA
<213> Homo sapiens

<400> 8265
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tcttgctgta tattgacaaa ctgaagcttt cctgcaccac tggacttaag gaagagtgtg 120
ctcgtaggcg gacagcttta gtggccggcc ggccgctctc atccccata aggagcagag 180
tcctttgtac tgaccaagat gagcawytc tacatccagg agcctccac gaatgggaag 240
gttttattga aaactacagc tggagatatt gacatagagt tgtggtccaa agaagctcct 300
aaagcttgca gaaattttat ccaactttgt ttggaagctt attatgacaa taccattttt 360
catagagttg tgcttggttt catagtccaa ggcggagatc ctactggcac agggagtggg 420
ggagagtcta tctatgg 437

<210> 8266
<211> 208
<212> DNA
<213> Homo sapiens

<400> 8266
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gatgtcgaag cgaggacgtg gtgggtcctc tgggtcgaaa ttccggattt ccttggggtc 120
tccggtagga gctgtaatca attgtgctga caacacaggt gaggtccttg cacgttgcta 180
tactccccct tttaaaagca ctcaatgg 208

<210> 8267
<211> 342
<212> DNA
<213> Homo sapiens

<400> 8267
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caggtctagt attcagtcct ccttcctccc actctccacc ctactgctg ctcttaacta 120
ttctgttggg acccagtgtg gcttctctgag atttaaaata taggaagact caaaactatg 180
ttacttcttg gaatatagat aattcagtag tgatttaaata aacaactgaa tagcaaggac 240
cttctggaac ataattctac attcacaata tcacctgcta agaagctgac taatgcatta 300
agcaagtccc tgagctgtgc ttccagccgt gaacctttgc ac 342

<210> 8268
 <211> 320
 <212> DNA
 <213> Homo sapiens

<400> 8268
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 tgtgggtacc cggagcacgg agatctcgcc ggctttacgt tcacctcggt gtctgcagca 120
 cctccgctt cctctcctag gcgacgagac ccagtggcta gaagttcacc atgtctattc 180
 tcaagatcca cctcttgtct gcatagcctt cttctctgcc tgctcttcaa atactgtgta 240
 tttctggcct tgttagactt gtttctatct taacacattt tccccgagtg ttctcatcta 300
 cttctaaggt ttaatttacc 320

<210> 8269
 <211> 185
 <212> DNA
 <213> Homo sapiens

<400> 8269
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 tgtgggtacc cggagcacgg agatctcgcc ggctttacgt tcacctcggt gtctgcagca 120
 cctccgctt cctctcctag gcgacgagac ccagtggcta ggtaatgatt ggggaagggc 180
 tgagc 185

<210> 8270
 <211> 314
 <212> DNA
 <213> Homo sapiens

<400> 8270
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 gtggttttgt ctgctgcgcc cgctcttcgc gctctcggtt cattttctgc agcgcgccag 120
 caggatggcc cacaagcaga tctactactc ggacaagtac ttcgacgaac actacgagta 180
 ccggcatgtt atgttaccca gagaactttc caaacaagta cctaaaactc atctgatgtc 240
 tgaagaggag tggaggagac ttggtgtcca acagagtcta ggctgggttc attacatgat 300
 tcatgagcca gaac 314

<210> 8271
 <211> 458
 <212> DNA
 <213> Homo sapiens

<400> 8271
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 gcaggcgggg ttatcctatt cagccaaaac ctttcttttt ctagctggac cagtccggta 120
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 caaccctgga cttccagttg gccctagcta taargyyt 458

<210> 8272

<211> 432
 <212> DNA
 <213> Homo sapiens

<400> 8272
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 aargatcctg gaaactttaa agagggaaa agtgagattc mgaaaycgcc aggactggac 360
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 agaaactgca ga 432

<210> 8273
 <211> 232
 <212> DNA
 <213> Homo sapiens

<400> 8273
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 ccgttggcgg ccsggagcca actcttaagt tctggacgcc aggcctgagg cagttccgcc 180
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<210> 8274
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 <212> DNA
 <213> Homo sapiens

<400> 8274
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 cctcttcagt ggtatttgcg gascgctcgt gcttgagatg cttgtaggaa aaggagtagc 240
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<210> 8275
 <211> 304
 <212> DNA
 <213> Homo sapiens

<400> 8275
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 aagggacctg gattcatcag gggctcttcg gggctgtgag agtgctgac tgctccgttt 240
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 ccgg 304

<210> 8276
 <211> 276
 <212> DNA
 <213> Homo sapiens

<400> 8276

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gsggcctgtg	tctggcagag	ctggtgtgag	acgagacaat	cctgccccgc	cgccgggata	240
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<210> 8277

<211> 386

<212> DNA

<213> Homo sapiens

<400> 8277

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ccatcagatt	tgattgtgaa	caaggactga	ctgcagaraa	taatggaaaag	gatgtttaac	360
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<210> 8278

<211> 354

<212> DNA

<213> Homo sapiens

<400> 8278

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gtaggaaggt	gtgaggggtg	cctacctgca	cagttgcgtc	ctgaagcagt	ggaatggcct	300
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<210> 8279

<211> 578

<212> DNA

<213> Homo sapiens

<400> 8279

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cgtactaggg	aggaagaagc	gggtgagaaa	caaaacttct	ttccattgtc	ctgcccgttt	180
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tgcaacttga	tgatgcaaag	acggaagatg	actttgtatc	actgcaagcg	cttcaacacc	540
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<210> 8280

<211> 302

<212> DNA
<213> Homo sapiens

<400> 8280

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gctgcggtca	gcgcttcgat	cctgagacca	attccgacga	tgcttgacac	taccaccag	180
gtgttccggt	ctttcacgat	gcattaaagg	taggaactat	attttcattt	ttttcatatc	240
tgtgtagtaa	attgagagat	gtaatactaa	atctttattt	tctcatcttt	ttttctcagc	300
ta						302

<210> 8281
<211> 194
<212> DNA
<213> Homo sapiens

<400> 8281

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aactttgggc	atggaagaaa	gactggaaac	tagttggaaa	caacatactt	atggaaaaga	120
aagtcagcct	ttttatgctg	ttaacagatg	tcagagtgat	tctcaccaaa	aaaagttaaa	180
ctatgttgta	agca					194

<210> 8282
<211> 448
<212> DNA
<213> Homo sapiens

<400> 8282

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attctggtgc	tcttgatcat	cgtgattctg	ggggtgccct	tgattatctt	caccatcaag	180
gccaacagcg	aggcctgccg	ggacgkccct	cgggcagtga	tggagtgtcg	caatgtcacc	240
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gccgccacct	gcaaccacac	ctgwrnatgg	ccctaattgg	ttccctggat	gcagagaagg	360
cccaaggaca	aaagaaagtg	gaggagcttg	agggagagat	cactacattw	aaccatargc	420
ttcaggacgc	gtctgcagag	gtggagcg				448

<210> 8283
<211> 526
<212> DNA
<213> Homo sapiens

<400> 8283

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tttaattttt	cttttctagc	ttcccatcga	cggctcagtgc	gcacgttgta	atcagctgag	180
gccaatgtcag	gagacggagc	cacggagcag	gcagctgagt	atgtcccaga	gaagggtgaag	240
aaagcggaaa	agaaattaga	agagaatcca	tatgaccttg	atgcttggag	cattctcatt	300
cgagaggcac	aggtttagtg	atataggatt	acatttcctt	ctctatgggt	ccaatcacac	360
tacttggttc	twngtgaata	atattttcat	aatcctaaca	ttgtaaatgc	tgttttattgg	420
ttttcaattt	tagaatcaac	ctatagacaa	agcacggaag	acttatgaac	gccttggtgc	480
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<210> 8284

<211> 622
 <212> DNA
 <213> Homo sapiens

<400> 8284
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 ttttaattttt cttttctagc ttcccatcga cggtcagtgc gcacgttgta atcagctgag 180
 gccatgtcag gagacggagc cacggagcag gtagagacga ggtctcactg tgtttcccag 240
 gctggctctt aactcctgga ctttaagtgt cctcctgcct cagccttcca aactgttgga 300
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 anncatatga ccttgatgct trnagcattc tcattcgaga ggcacaggtt tagtgatata 420
 ggattacatt tccttctcta tgggtccaat cacactactt ggttctgcag tgaataatat 480
 tttcataatc ctaacattgt aaatgctgtt tattggtttt caattttaga atcaacctat 540
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 tggaaactgt acattgaagc ag 622

<210> 8285
 <211> 444
 <212> DNA
 <213> Homo sapiens

<400> 8285
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 gcacttgggc cctcggggag gggaccgcgc ccgcctcatt tgcgccttgc agcactgctg 180
 gaccagggtta caagatgttc acctaagatt gagacctagt gactacattt cctacgggaa 240
 caaataaatg gtttttcatc tcccggagat acattacaaa caaatatggt gctaaaagaa 300
 ctctttacct ttctctgact acaattttatt tggacatact tttgtattga agagagggtat 360
 acatactgaa gctacttgct gtactatagg agactctgtc ctgtaggatc atggaccatc 420
 ctagtaggga aaaggatgaa agac 444

<210> 8286
 <211> 363
 <212> DNA
 <213> Homo sapiens

<400> 8286
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 agaattaaaa aaaaaagccg caagcgtttc actcttttat ttttataatc cctttcaatt 180
 tgggggttaa aaaaagacaa gaaaacagga aggaagagaa ataaggaaat gagatgtggt 240
 aaaagaagct aaaagggtgc ttttaaaaga tcggtgctgt gaagtgaata aaatctccag 300
 agaaaccaa aagcaccgcc gagacctctt ccgaaccaa ggagtttgtg tttgctttta 360
 ggg 363

<210> 8287
 <211> 272
 <212> DNA
 <213> Homo sapiens

<400> 8287
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tgtattgcat	atatgtaaaa	gaagtgtaca	aggaagtggc	catccttggt	caagttacgt	180
atctagttag	aacaacttcc	cagtccattg	gagttctttg	agaagcctca	gggaagtagc	240
tctgggtcct	tctaatacaac	ctcccattac	tg			272

<210> 8288
 <211> 362
 <212> DNA
 <213> Homo sapiens

<400> 8288						
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gggtgaaaat	tgtggaagtt	ggccccgag	atggactaca	aaatgaaaag	aatatcgtat	180
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aaaccaccag	ctttgtgtct	cctaagtggg	ttccccagat	gggtgacaca	ctgaagtctt	300
gaaagggcat	tcagaagttt	cctggcatca	acctaccag	tcctggaccc	caaatttgaa	360
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<210> 8289
 <211> 441
 <212> DNA
 <213> Homo sapiens

<400> 8289						
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agcagtcaga	atcgacataa	agcttttaaa	actcaagggt	ttttcawcct	actgaggagt	180
acttttctct	agttgttaaa	tagctggagt	ttttcttatt	caggtttaat	ggaggttgaa	240
ttgatTTTTA	aacacatata	acagtaggaa	atgaataaat	gggcttctgc	atTTggcttt	300
ctacctgttc	caaggctaga	tcggaactgg	tagactacgc	tgtaasagga	tttcactacc	360
tctcttaagg	tttagcaaac	ttctaaatag	cccattttaa	gggagaactt	actaacttta	420
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<210> 8290
 <211> 554
 <212> DNA
 <213> Homo sapiens

<400> 8290						
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gaatgaacaa	aagctaaaca	gatatccagc	ttcttctctt	gtggttggtta	gatctaaaac	180
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ttaagcattt	ttctttttaa	agacaagtgt	aatagacatc	taaaattcca	ctcctcatag	300
agctttttaa	atggtttcat	tggatatagg	ccttaagaaa	tcactataaa	atgcaaataa	360
agttactcaa	atctgtgaag	actgtatttg	ctataacttt	attggtattg	ttttttagtg	420
aatttaagag	gtggatgttt	gggattgtat	tattatttta	ctaatatctg	tagctatttt	480
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<210> 8291
 <211> 424
 <212> DNA
 <213> Homo sapiens

004229" 66E.F.550

<400> 8291
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 ctcatgcttc tgcgacctga gcgtgcctt cagacacctc tctgctggcg tgttctctggg 180
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 caacataaaa tgtgttcacc tgaggagact gctttctatcg ccagtgtgtc acagatggtg 300
 gaaacctcag aagnngyaca gtccagagta ggggtcctaat gcaagctgct ggaactgaat 360
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 tgra 424

<210> 8292
 <211> 453
 <212> DNA
 <213> Homo sapiens

<400> 8292
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 ccaaaagcca aaatgaaact gatggtactt gttttcacca ttgggctaac tttgctgcta 180
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 gatcatttct gggatgggaa gggatgtgag atgatctgtt actgcaactt cagcgaattg 360
 ctctgctgcc caaaagacgt tttctttgga ccaaagatct ctttcgtgat tccttgcaac 420
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<210> 8293
 <211> 380
 <212> DNA
 <213> Homo sapiens

<400> 8293
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 catttggtt ttccaggcaa acctgtatgt gggactggtg gtcagtgtgt gcttcgtcct 180
 ttttgatact caactcatta ttgaaaaggc cgaacatggw gatcaagatt atatctggca 240
 ctgcattgat ctcttcttag atttcattac tgtcttcaga aaactcatga tgatcctggc 300
 catgaatgaa aaggataaga agaaagagaa gaaatgaagt gaccatccag cctttcccaa 360
 ttagacttcc tctcttycca 380

<210> 8294
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 8294
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 ttccggaggc gcgggcggtg ccactgtctt ggtacctgcg gtagtagcct ggctttgtctc 120
 tgacggcgat ctgcggccc gagagccttt tataggttgc ttttcccggg gatgtgaagg 180
 atacagaaat gactgtgaat caaccatat catcaaggag ctgataatct agtgggaagag 240
 ttagacgtgt gcatactca ctatgatatg aggcagtctc tgagcttata ttctctgttg 300
 aagatgtgac atatccaggc ggaacatcat gatgcaggga acacatgtca caga 354

<210> 8295

<211> 453
 <212> DNA
 <213> Homo sapiens

<400> 8295
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 agactgagag aaaggaatga aaggatggaa gaattacaag atcaggcact gctgtctgtc 120
 tgttccacgg atgtaaccac agcacacgcg tggctcacgg tactagtgtg ataaatgctt 180
 gttacatgaa ggcgtgaaca gggatgagaa gagacttcct ggagaaacaa aaggactaac 240
 aatcaggaag gggaggtgat cggggcagga gtaaagtggg cacntcagct ggtcccttgg 300
 gtcgtccacc cgatgtcccc cattctcccc acttggcctc cccacacaggc tctcggcaaa 360
 ggaccgtggg aggcacctgt gacactgccc ttttctgtg cagctgtttk tcttcttcat 420
 tcttttcaact cctcgttact cttttttttt tca 453

<210> 8296
 <211> 587
 <212> DNA
 <213> Homo sapiens

<400> 8296
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 tgttccacgg atgtaaccac agcacacgcg tggctcacgg tactagtgtg ataaatgctt 180
 gttacatgaa ggcgtgaaca gggatgagaa gagacttcct ggagaaacaa aaggactaac 240
 aatcaggaag gggaggtgat cggggcagga gtaaagtggg cacctcagca aagccattcg 300
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 tggccaatgc cgccagcatg atctagcagg ccaaatecta atctaccatt ctctgacacc 420
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 aggctctcgg caaaggaccg tgggaggcac ctgtgacact gcccttttcc tgtgcagctg 540
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<210> 8297
 <211> 190
 <212> DNA
 <213> Homo sapiens

<400> 8297
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 tgtggcacc ataaaagatg aggctgagaa cacggaaagc ttctcagcag tcaaatcaaa 180
 tccaaacaca 190

<210> 8298
 <211> 270
 <212> DNA
 <213> Homo sapiens

<400> 8298
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 aatggtcaag ctgctcaggc agtgaaaaga tgtggagaat gtccgttgte attcttgcca 120
 ctgtattcca tttgctaccg agatataaca ttaagggtgga cacattttct aactgtatta 180
 attaaaagtc aatggatata gagagtggat tttctcccca agtcccatcc ctgctgaaga 240
 ccgcttgat gaactcccca acccactgtg 270

<210> 8299
<211> 363
<212> DNA
<213> Homo sapiens

<400> 8299
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ctcctgggct tctgtctcct ctccgctccg catggcgcca gcggcctgca caccrrgggc 180
gcccttcncc tggatacggg cactttctac aagrntatgg tgacaagctg aacatggagc 240
tgagtgagaa atacaagctg gacaaagaga gctaccagct cttctacctc ttccgggatg 300
gggactttga gaaccagtc ccatacactg gggcagttaa aggttggagc catccagcgc 360
tgg 363

<210> 8300
<211> 477
<212> DNA
<213> Homo sapiens

<400> 8300
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cctcagcggg tctggctgcc agcctgggca gcctgggaag cctgggagga cgggtggcttg 120
ccggtctgtc gtgaggcagt gcggacgggg accctctggg attctgctgg atctgccccg 180
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caagccgcct gcgccgagac cccttcggg actctccctc ctctctcgc ctgctgg 477

<210> 8301
<211> 162
<212> DNA
<213> Homo sapiens

<400> 8301
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ggcggcccag ggcaatccga ccacatttca ctctaccgc tgtaggaatc cagatgcagg 120
ccaagtacag cagcacgagg gacatgctgg atgatgatgg gg 162

<210> 8302
<211> 209
<212> DNA
<213> Homo sapiens

<400> 8302
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ctgctctggt ctacagcaca ctaccagaag acagcagaaa tgaaaagcat ttactttgtg 120
gctggattat ttgtaatgct ggtacaaggc agctggcaac gttcccttca agacacagag 180
gagaaatcca gatcattctc agcttccca 209

<210> 8303
<211> 302
<212> DNA
<213> Homo sapiens

<400> 8303

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tgcttccttc	acatctgttt	ccacacgtgt	ctaccttaag	ctattctcaa	cacagtagag	180
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ccaaatcacc	cagggtaaaa	gccccaatcc	ccataaggac	ctctgaggtc	ctgtgatgcg	300
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<210> 8304

<211> 620

<212> DNA

<213> Homo sapiens

<400> 8304

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acatgctaga	cctcagtatc	cttgagggat	gctgccttgg	gtctggaaac	tgtagagga	180
aaccccaaga	gggtgcagga	ctgagcctct	caggacaatg	acctgggggc	ccagctcccc	240
tggagggggc	tcctcatgat	tgtttggggg	ttgatcacag	accaagagtg	acgagtgatg	300
tcacctgtg	actcatggcc	ggaccttctt	gccccatttg	tctcagcaca	acattattcg	360
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<210> 8305

<211> 381

<212> DNA

<213> Homo sapiens

<400> 8305

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tggtcgctct	ggcctggctt	ggggggcccc	tcggctctca	aagcttcacc	tttctccaaa	180
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gaaagggtacc	tgtttcccag	gcaactactg	atcaggcatt	tctggacccc	aaaacaacaa	360
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<210> 8306

<211> 387

<212> DNA

<213> Homo sapiens

<400> 8306

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ataccatcgt	ttcttgggtc	gtcatttccc	ccgcttctat	atcctgtaca	caatcttcat	300
gaaagaaagc	cttgagcccg	gccatgcttc	tcacatctta	cctgcctcct	cccttggtga	360
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<210> 8307

<211> 425

<212> DNA

<213> Homo sapiens

<400> 8307

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gcgcgcccc	accctgctta	tcccttgacc	gtcgagtgtc	agagatcctg	cagccgcccc	180
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ttttcattca	taacaaaagc	tacagctcca	ggagcccagc	gccgggctgt	gacccaagcc	300
gagcgtggaa	gaatgggggt	cctcgggacc	ggcacttgga	ttctgggtgt	agtgtccccg	360
attcaagctt	ccccaaaacc	tggaggaagc	caagacaaat	ctctacataa	tagagaatta	420
agtgc						425

<210> 8308

<211> 155

<212> DNA

<213> Homo sapiens

<400> 8308

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<210> 8309

<211> 241

<212> DNA

<213> Homo sapiens

<400> 8309

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gaatgaccac	agggcattgg	ttttagtggt	aggtgtgtgg	ggatctgttc	tggatcatctg	120
gatgctggtc	atcgggtgtc	agtattgatc	aggacctgca	aacccaaaag	cttatgggag	180
ctggcacgtc	accacagcc	tggcagctct	gatcaggaaa	gtgaggaaca	gcaacaattc	240
c						241

<210> 8310

<211> 493

<212> DNA

<213> Homo sapiens

<400> 8310

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tgasctgctg	agatttggga	gtctgcgcta	ggcccgttg	gagttctgag	ccgatggaag	180
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caaattccgmt	atgaagtgtg	ggtcaatgaa	gaaattgaga	aggaaattga	aaaatttcgt	360
gaaataaatg	attaaggaaa	cacaacatac	cgaacccag	caaaagcagt	acaaagaggg	420
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gcattctaaa	aaa					493

<210> 8311
 <211> 357
 <212> DNA
 <213> Homo sapiens

<400> 8311
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 gttccaggag attcaaccag gatgtttcta cacctgtggg ttatgacaaa gacaactgcc 180
 aaagaatctt caagaaggag gactgcaagt atatcgtggt ggwgaagaag gacccaaan 240
 agacctgttc tgtcagtga tggataatct aatgtgcttc tagtaggcac aggggtccca 300
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<210> 8312
 <211> 484
 <212> DNA
 <213> Homo sapiens

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 gactgggccc tcaacatgga gatctgcgac atcatcaacg agacggagga aggtcccaaa 240
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 ctggctctca cagtcttaga aacctgtgtc aagaactgcg ggcaccgttc cacgtgctgg 360
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<210> 8313
 <211> 395
 <212> DNA
 <213> Homo sapiens

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 ggtttacatt tagaaatgtt ggtttctggc gcaaattcaa tagctttcca gatagcaact 180
 gtacttttaa aatgctgttt gcttttaaaa ggcagttttt cagtcaaagg gaagaactta 240
 ctgtttcggg atatttttat gctgcttgtc tgcttgctga ctcaaagcga acccccttat 300
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 acctgagctc tgtttccttt tgcatectta gtcc 395

<210> 8314
 <211> 284
 <212> DNA
 <213> Homo sapiens

<400> 8314
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<210> 8315
 <211> 460
 <212> DNA
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<400> 8315
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<210> 8316
 <211> 337
 <212> DNA
 <213> Homo sapiens

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<210> 8317
 <211> 228
 <212> DNA
 <213> Homo sapiens

<400> 8317
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 cccctgagaa ggcgacattc gactgcagc ggcgagggga ccagccaggc ggctgagggc 180
 aaggtcgttc ccagcagcgg gaaccgaagg gcaaaaaggct cggagggg 228

<210> 8318
 <211> 502
 <212> DNA
 <213> Homo sapiens

<400> 8318
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 tatcacggca tgggcatgag tagcttgaaa ctgctgaagt atgtcctgtt tttcttcaac 240
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502

<210> 8319

<211> 267

<212> DNA

<213> Homo sapiens

<400> 8319

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ttgccttags	ccccccagcc	agatttttga	ggcctctgtc	acacacaccc	ctacaatccc	180
ctccccagc	cccgagagac	ttttcttgac	ttccaccagt	tgctccggcg	ggtgagagtg	240
gaggagcccc	tccttcatcc	cccagggc				267

<210> 8320

<211> 504

<212> DNA

<213> Homo sapiens

<400> 8320

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<210> 8321

<211> 377

<212> DNA

<213> Homo sapiens

<400> 8321

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tcaccggttg	ccagctctag	ccttttaaatt	ccgggctcgg	ggacctccac	gcaccgcggc	180
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gaaaccgcag	tcttcggcg	accccgaaact	ccgctccgga	gcctcagccc	cctggaaagt	300
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<210> 8322

<211> 336

<212> DNA

<213> Homo sapiens

<400> 8322

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attctgtccc	ctctctcact	gtcctggaat	gaaatccgtg	gccatttccc	ttttctcata	180
gccaaagaca	ccaccaagtt	ctccaatccc	tgactctgat	tcctgacatc	aatctattgc	240

tccttgtata	atcagtcaat	gaatcaaaaa	aaattttttt	ggatatctac	tatctcctca	300
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<210> 8323
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 <212> DNA
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atcagcctcc	tggttatggg	acagatacaa	actggactct	caggacaaaa	cgacaccagc	180
caaaccagca	gccccacgc	atccagcarc	atragcggag	gcattttcct	tttcttcgtg	240
gccaatgcc	taatccacct	cttctgcttc	agttgagggt	acacgtctca	gccttagccc	300
tgtgccccct	gaaacagctg	ccaccatcws	tcgcaagaga	atcccccca	tctttgggag	360
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<210> 8324
 <211> 278
 <212> DNA
 <213> Homo sapiens

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cccgccacat	tgcggggcgg	aggcgggagg	attgcttgaa	ctcctgacgc	tgtgatccac	180
ctgcctgggt	ctcccaaagt	gctgggattg	caggtgtgag	ctaccgtgcc	cagccggcaa	240
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<210> 8325
 <211> 446
 <212> DNA
 <213> Homo sapiens

<400> 8325						
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tatatagtat	attctactcc	tgtaaggaaa	atggatattg	gaattccgaa	ttgacagggt	360
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<210> 8326
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 <212> DNA
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<400> 8326						
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<210> 8327
 <211> 292
 <212> DNA
 <213> Homo sapiens

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 aagcatctgt ggactttccc cagcgctcac gctatgctat catttgccca gaagattcac 240
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<210> 8328
 <211> 456
 <212> DNA
 <213> Homo sapiens

<400> 8328
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 gtgttcagaa ttacttttgc tcttctcacg atcccatatt gtattatcac ttgtcttcta 180
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<210> 8329
 <211> 395
 <212> DNA
 <213> Homo sapiens

<400> 8329
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<210> 8330
 <211> 137
 <212> DNA
 <213> Homo sapiens

<400> 8330
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 ggggaggtca ggcgctgtct ttccttccct ccctgctcgg cggctccacc acagttgcag 120
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<210> 8331
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06-07-2019

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<211> 485

<213> Homo sapiens

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<211> 415

<213> Homo sapiens

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<211> 383

<213> Homo sapiens

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383

<210> 8335

<211> 405

<212> DNA

<213> Homo sapiens

<400> 8335

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<210> 8336

<211> 301

<212> DNA

<213> Homo sapiens

<400> 8336

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<210> 8337

<211> 600

<212> DNA

<213> Homo sapiens

<400> 8337

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<210> 8338

<211> 555

<212> DNA

<213> Homo sapiens

<400> 8338

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<210> 8339

<211> 346

<212> DNA

<213> Homo sapiens

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<210> 8340

<211> 581

<212> DNA

<213> Homo sapiens

<400> 8340

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tgctgggtgat	acttttttta	agttttgttt	ttatcttgcc	tgttggcttc	aatacatttg	240
agaatacgct	gaagagggaa	aattcagtga	tggagattct	agattaaata	tcaggactga	300
tttctgtgtg	ggattatggt	ccagttttac	caaagaacca	attccttgaa	tgttggaatc	360
taacttttta	tattgtcatt	attattgttg	tttttaaacy	gttctttgtc	ttttctgttt	420
tatttttctc	aagctgcttt	caggagctag	cagaaaataa	ctcaaagttg	aagactctgg	480
aagattttgc	tttaacctaa	ctcgattga	tgtattaaat	ttataatttt	agcattccca	540
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<210> 8341

<211> 160

<212> DNA

<213> Homo sapiens

<400> 8341

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agcaggagca	ggtgataact	ctgctttttg	aactgtgctt	tctgggaggc	tgggtaacat	120
ggggtctgag	aatcagctgt	tagatttcac	tgggtgacctg			160

<210> 8342

<211> 562

<212> DNA

<213> Homo sapiens

<400> 8342

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atcctcccat	ttatgatttt	aagttcctag	agggtagtac	tttgttttgt	tctttgctgt	120
atcttcagta	tcttgatcag	tgcttgccat	gtagtaggct	cttaatacat	atttgttgaa	180
agactgaata	aaataattta	cttttgcact	ccctcgacat	atattcatca	aacyttncct	240
gaattttcgt	agtactctct	ccgtcccttg	cactataatt	agtattgaag	ttcatttggt	300
atctataggg	acttataaaa	ttagccccc	ctcaaacatt	cctccctgct	caccagtaag	360
gtctgtacat	tcacccctct	ttgtcagtaa	gtgctcttct	aatggtagga	ttattaacat	420
tgaacaatgt	aatgcaagt	gattctaaaa	tgaatgttga	aaaaatttag	gaagttgaaa	480
taaggcaata	ttggataatg	gcctgaatca	cacgcacaaa	aatcactgac	aaatgaggat	540
taggtaaatt	tagaccaatt	ta				562

<210> 8343

<211> 445

<212> DNA

<213> Homo sapiens

<400> 8343

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rastggccgc	tcagaagcgc	gaacagagac	tgcgcaaatt	ccgggagctg	cacctgatgc	180
gggtgagtag	tcttgagggc	cggcttagat	ccgtcatctg	gccaagcctg	tgcgcttttg	240
tagaggggtc	gtgctgcctt	gacctcccag	gttaaggcga	tcctcccacc	tccaagtagc	300
tgggactaca	ggccatcgcc	accacacctg	gctaatttat	ttattttatt	atttaggtag	360
agacgaggtc	tcactatgtt	gccctggctg	gtctcaaaat	tcctaggctc	aagagatccc	420
ctgaactcgg	tctcagcctc	ccaaa				445

<210> 8344

<211> 268

<212> DNA

<213> Homo sapiens

<400> 8344

caactctgct	gttttgtagg	aagccacatg	gaggctcattt	acggttacta	gttatcttag	60
tcagcttggg	cagccattaa	aaaataatac	tgtagacgga	gtggcccaaa	cgagagaaat	120
ttattttctta	tagttttggc	atggtagatt	tcatactgag	gtctcttctc	ttggtttgta	180
gttggtgtgc	aatctccctg	catgtccaca	cgaccgcttt	ttgtacatac	agtaagaaaa	240
tacacactgt	catgtcattt	ttttgtaa				268

<210> 8345

<211> 425

<212> DNA

<213> Homo sapiens

<400> 8345

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gggcccttgc	aaccatgtca	tttctacttt	cctcactgtt	ggctctctta	actgtgtcca	180
ctccttcacg	gtgtcagagc	actgaagcat	ctccaaaacg	tagtgatggg	acaccatttc	240
cttggaataa	aatacgactt	cctgagtacg	tcataccagt	tcattatgat	ctcttgatcc	300
atgcaaacct	taccacgctg	accttctggg	gaacacgaaa	gtagaaatca	cagccagtca	360
gccaccagc	accatcatcc	tgcatagtca	ccacctgcag	atatctaggg	ccaccctcag	420
gaagg						425

<210> 8346
 <211> 285
 <212> DNA
 <213> Homo sapiens

<400> 8346
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 cgtggaggta ccaggccact caggctactgc tcatcatcgt tatgtttggt gatcacagtt 180
 actttctcag cacccttggt tggctgcaca ctgggatcac ctgagaagct gtaaattata 240
 atggaattct gtgggatgcc cacaatatg agggtagaag acaga 285

<210> 8347
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 8347
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 ctgggaagat ggcctcatgt ctggctaccg cagcgcctcg gccctgcgga gctggattcg 180
 cagctcagat gccttctcga agctcgtctg gtctgtgatt gagtagacaa tcaggatagc 240
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<210> 8348
 <211> 556
 <212> DNA
 <213> Homo sapiens

<400> 8348
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 tcatcagtta aggtatcttt cacttctttt gaggatcttc agttgcttcg ggctatctgg 180
 atgtatacgt gcaggtcaca agggatatga tggcttagct tgggctcagg gacctgacat 240
 tccctgtcttc ttatattaat aagaaaagca naacaaaata gtgaagtgtt ggagcggcga 300
 aaaatttttg ggggtggtatg gagagataat gggcgatgtt tctcagggst gcttcaagcr 360
 ggattagggg yggcwtggga atctagagtg ggagagatta agctgaaaga agattttgtg 420
 gtaaggggtg atattgtggg attgttagaa gaaacatttg tcgtataana tgattggtga 480
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 agagaaggag aaaaac 556

<210> 8349
 <211> 215
 <212> DNA
 <213> Homo sapiens

<400> 8349
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 aggcagagcc tctcctcaaa gcctggctcc cagggaaaat atgctcagtg cagccgcgtg 180
 catgaatgaa aacgccgccg ggcgcttcta gtcgg 215

<210> 8350

<211> 396
 <212> DNA
 <213> Homo sapiens

<400> 8350
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 ggaccagaa gggacttccc tgctcggtg gctctcggtt tctctgcttt cctccggaga 120
 aataacagcg tcttccgcgc cgcgcatgga gcctcccggc cgccgcgagt gtccctttcc 180
 ttcctggcgc tttcctgggt tgcttctggc ggccatgggt ttgctgctgt actccttctc 240
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 caagagtcgc ggggcggggc tcacagcagg ccwgtgcctg tttggggaca gggttctctg 360
 aggggtgcag tgctcagatc ccgggggtat gtggcg 396

<210> 8351
 <211> 277
 <212> DNA
 <213> Homo sapiens

<400> 8351
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 gtgccgtcgc gcagacgcgc cgccgtggac agaggactgc agaaaatcaa cctatcctcc 180
 ttcaggacca acgtacagag gtgcagttcc atggtacacc ataaatcttg acttaccacc 240
 ctacaaaaga tggcatgaat tgatgcttga caaggca 277

<210> 8352
 <211> 195
 <212> DNA
 <213> Homo sapiens

<400> 8352
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 tagaagccaa ccttcctcgc ttctccgggg ccctcgcccc ctctctccca caaaatcagg 120
 gatggaggcg cctccccggc accctcttag cagccctccc caggaaaagt gtccccctg 180
 agctcctaac actcc 195

<210> 8353
 <211> 460
 <212> DNA
 <213> Homo sapiens

<400> 8353
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 tttctcgcgg gcttgagct gcggcaagtg ctggcgcgcg ctgctcgcgc aagtcagctg 120
 gcgtgggaac taccctttgt agctgagaac ggcttggtta ttgctacaaa gactctattg 180
 acattggtag cttcagcggc agcagcttct tacggtataa agctgttgct tcctgaagag 240
 gctacaagca tccttcccta ggactgctgt aagcttttag cctctagcag gagacatgcc 300
 tcggggacga aagagtcggc gccgcgctaa tcgagagacc gcagaagaga accgcaacaa 360
 tcgcaaaatc caggcctcag aggcctccga gaccctatg gccgcctctg tggtarcgag 420
 caccctcgaa gacgacctga gcggccccga ggaagaccg 460

<210> 8354
 <211> 527
 <212> DNA

<213> Homo sapiens

<400> 8354

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atgcgggtca	yggcgccccg	aaccctcctc	ctgctgctct	cggrgcect	ggccctgacc	120
gagacctggg	cckgctccca	ctccatgagg	tatttctaca	cckccgtgtc	ccggccccggc	180
cgcggrgagc	cccgttcat	ckcagtgggc	tacgtggacg	acacscagtt	cgtgmgttc	240
gacagcgacg	ccgcgagtcc	gaggaggagc	cgcgggcgcc	rtggatagag	caggaggggc	300
cggagtattg	ggaccggras	acacagawct	acaagnccma	sgcacagact	gaccgagwga	360
rcctgcggaa	mctgcgcggn	nnctacaacc	agagcgaggc	cggtctcac	asnctccaga	420
gcatgtacgg	ctgcgacgtg	gggcccggacg	ggcgctcct	ccgcgggcat	gaccagtacg	480
cctacgacgg	caaggattac	atcgccctga	aagaggacct	gcgctct		527

<210> 8355

<211> 165

<212> DNA

<213> Homo sapiens

<400> 8355

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ccctggccct	taccagacc	tgggcgggtg	agtgcggggt	cgggatggaa	acggcctcta	120
ccgggagtag	agaggggccg	gcccggcggg	ggcgaaggac	tcggg		165

<210> 8356

<211> 378

<212> DNA

<213> Homo sapiens

<400> 8356

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tgctgtatt	tacttcaaac	cttagtggct	taaaacaaaa	acaattattg	tctcactgtt	120
tctgtggatt	tgaaatttgc	gaacaacttg	gatggtagtt	cttgatcaaa	atctctcatg	180
atcttgcaat	caagatatct	gccaagactt	tgatggtcta	aaacaggggtg	tccaatcttt	240
tggttccct	gggtcacatt	ggaagaagaa	gaattgtctt	gggcacacat	aaaatacact	300
aatgatagct	gataagctaa	aaaaaaatca	caaaaaatcc	cataatgttt	taagaaagtt	360
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<210> 8357

<211> 471

<212> DNA

<213> Homo sapiens

<400> 8357

tcccgaacttc	tagaaacaaa	attccttttg	gggcgctttc	cctgtgtgtc	cccagagagg	60
cctctagcca	ggagccttca	gttgggatta	ggtttcattt	gtgactttac	caataccctc	120
ccagttcttg	atagacagct	gtaggttgct	gggttcaaga	atatgggtgg	gatatggaat	180
gctctttcaa	tgtctagctt	cagttttcat	tcctctcct	gctcagcact	gtcagccaag	240
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gaaaatgctt	cacttccatt	tcctcacctg	ggcagttctc	tgtttaaaat	tgtgggctga	360
tttggctctt	ctctcctcct	cccactgtta	ctgccttgca	gcccttgctc	aggtgtacag	420
acccttatct	tggcctctag	tgtccttgct	tgcatgaca	cacccttccg	c	471

<210> 8358

<211> 282

<212> DNA
 <213> Homo sapiens

<400> 8358
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 ttgtcggtt ggctccccc tcccccttt gctctctgcc tcgtctttcc ccaggacttc 120
 gctattttgc ttttttaaaa aaaggcaaga aagaactaaa ctccccctc cctctcctcc 180
 agtcgggctg cacctctgcc ttgcactttg cacagaggta gagagcgcg gagggagaga 240
 gaggaagan aaaaaataat aaagagagcc aagcagaaga gg 282

<210> 8359
 <211> 239
 <212> DNA
 <213> Homo sapiens

<400> 8359
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 gattcctgcg gccgcggtct acgaagacca agtgggcaag tttgattggg gcgtacgtgt 120
 ggaacatatt cgagagataa gtggctgttt cccagtagc tgtctcctac ctgctaaagg 180
 ttgtcactta acaggattgg ccgcataatt tgcaggacag tacaaaatga aaacgtggg 239

<210> 8360
 <211> 401
 <212> DNA
 <213> Homo sapiens

<400> 8360
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 cttgctggcg tgagaataca ttgctctcct ttggttgaat cagctgtccc tcttcgtggg 180
 aaaatgaacc agaagacaat cctcgtgctc ctattctggt ccgtcatcac catctttgcc 240
 ttggtttgtg tctgctggt gggcaggggt ggagatggg gtgaaccag ccagcttccc 300
 cattgcccct ctgtatctcc cagtgtccc ccttgnacac accctggcca gagccagctg 360
 tttgcagact gagccgagag gagctgacgg ctgtgatgcg c 401

<210> 8361
 <211> 297
 <212> DNA
 <213> Homo sapiens

<400> 8361
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 tgctcgtcct ggctgtcgtc tgccattcag gtgagtgtc cagtctcagg acatagatct 180
 aggctgcctt ggcatgaac tcccttctta agcctcagtt tcagccccag ctgctcctcc 240
 aggctggct ttggttcttt tgccttccag tgttacaggt ctgggggtgt atgacag 297

<210> 8362
 <211> 250
 <212> DNA
 <213> Homo sapiens

<400> 8362
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ggactaacgt	gatgaagggc	tggcagtacc	gttggttcgc	tgctggacta	caatgcagga	120
ctgctctcct	actacacgtc	caaggacaaa	atgatgagag	gctctcgcag	aggatgtgtt	180
agactcagam	ccgtgatgct	gatgrgcgrg	agragtggat	ycawgsctta	gragaaacaa	240
ttcttcgaca						250

gaggttctag	tctgttctgt	cttgcgccas	cgcccccttc	tgcgcggtca	cgccgagcca	60
gcgcctgggc	ctggaaccgg	gccgtagccc	ccccagtttc	gcccaccacc	accctaccac	120
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<210> 8367
 <211> 412
 <212> DNA
 <213> Homo sapiens

<400> 8367						
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tatcagagag	aggaagtgga	aggccagtag	tagcatcttc	atacttactt	ttgccagccc	180
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ttaagggttt	ttaagttttc	tcacgattac	ctccactcca	ctcatctact	atcagcatca	360
gaaagggttaa	catccctggg	accattctac	ttataaaaaga	gatgaactag	tg	412

<210> 8368
 <211> 276
 <212> DNA
 <213> Homo sapiens

<400> 8368						
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gttctgttga	ctcagttaat	aaaggctcag	cagtcaaagc	agaaagatgt	gctactagaa	180
gagagggaaa	atggatcggg	acatgaagcg	tcattacaac	tcaggccacc	tccagaacct	240
agcactccgg	tgtcgggaca	agatgacctc	atccag			276

<210> 8369
 <211> 383
 <212> DNA
 <213> Homo sapiens

<400> 8369						
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gctcctgatg	tggagccgct	ggagcctaca	cttagcaaca	tcatcgagca	gcgcacctga	120
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acatctcaga	tgcttttgac	cagaagttct	caaagggtgc	taccaagggtc	aaaggctatg	300
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<210> 8370
 <211> 240
 <212> DNA
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<400> 8370						
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acggaaatag	aattgaaggc	attctaaaat	ggctaaccgt	acagtgaagg	atgcgcacag	180
catccatggc	accaaccctc	aatatctggt	ggagaagatc	attcgaacgc	gaatctatga	240

<210> 8371
 <211> 652
 <212> DNA
 <213> Homo sapiens

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 aaacctgcc aagcagggt gtgtctttga tcctcttcag gaggtgagga caagccagag 300
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 gtggctcctt gtgaggctct atcagtgact agaggccatg ccatggctct gggattgact 480
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 atgccattct ccatccgagg gcacctgtga cctgcactca caatatctgc tatgctgtag 600
 tgctaggatt gattatgtgt tctccaaaga tgctgctccc aagggtgcc aa 652

<210> 8372
 <211> 199
 <212> DNA
 <213> Homo sapiens

<400> 8372
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 ctgccccgag tctgttcccc gccgcccaga tgatgaacaa tggcntctc caacagccct 180
 ctgccttgat gttgctccc 199

<210> 8373
 <211> 448
 <212> DNA
 <213> Homo sapiens

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 ccaggttata ggtaatagac gtttcaaa 448

<210> 8374
 <211> 256
 <212> DNA
 <213> Homo sapiens

<400> 8374
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 attaaaatgt ttgtgggttg cttggctgta attttcaaag tagttaattg aggacaaagg 180

gtaatgcaga agtgawactt tggttgctga gtcttgTTTT aagtggcctt gatattttaa 240
actattcctg ccaccg 256

<210> 8375
<211> 354
<212> DNA
<213> Homo sapiens

<400> 8375
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cttaaataaa attactcaga caagcagtgg cagaactccg aatcaggctt ttatatgtct 180
aaatctggag cctggggccc ttacccttc caccagaagt tacaatcag gctagactgc 240
agttctcggt tgtgtttgtt ttggcctaca cagtgggtgtt ttactatttt ttgtttcttt 300
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<212> DNA
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<400> 8376
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tttgtgtagt gtggatctgc tatgacaaac tctctgtatt gtcttaagtt tactttcatc 180
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aggc 244

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<212> DNA
<213> Homo sapiens

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gaatccacac ctgagaagca tgaacgccc cccagggaca agggctacaa ggctgggtga 180
tatttacatg cacagaaacc ggagccatga atcagtgagc cagagtggta gcttttaaaa 240
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tccac 305

<210> 8378
<211> 343
<212> DNA
<213> Homo sapiens

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cccagggcag cctttgagaa ttacagggtt cagtagctag tcagagaggg cagcaaacag 180
ctgtcgtggg ggatgcattg gctgcagctg ggccagacca ggtctcagcg gaggagtgtg 240
gtgttctgtt tcagaggcct ggcattctgc atattcagcc tgcaaggcag tgatcaggtc 300
ttaagtaaatt cacctagcca agagaggccc cagggttgaa aag 343

<210> 8379
<211> 265
<212> DNA
<213> Homo sapiens

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attacttttc ctataagtga cttctctact ggattactgg ttgctcatac acctcatatt 180
ttactcgtaa atctactact ccctgtctgc ctactccatt ctcatttgct gtagaaaatt 240
ctcttaccat cccaactttc accca 265

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<211> 536
<212> DNA
<213> Homo sapiens

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tacaggcttt tgaagtggta gcagttcctc ctaactcctg ccagaaacag ctctcctcaa 180
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<210> 8381
<211> 535
<212> DNA
<213> Homo sapiens

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<211> 361
<212> DNA
<213> Homo sapiens

<400> 8382
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tgtagtttta atttgaggcc aatatctgag gcctagaatt gcacgagcag aggctagagg 180
gcatgtggca gaatttattg tgggtgtgcag tttgcagtta ttgctttggg ctttttccca 240

gttgggaagtc ctaagcaata ggatggcaca tttgtgggga aagaacactg tectggcatt 300
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<210> 8383

<211> 359

<212> DNA

<213> Homo sapiens

<400> 8383

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<210> 8384

<211> 162

<212> DNA

<213> Homo sapiens

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<210> 8385

<211> 390

<212> DNA

<213> Homo sapiens

<400> 8385

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<210> 8386

<211> 432

<212> DNA

<213> Homo sapiens

<400> 8386

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432

<210> 8387

<211> 404

<212> DNA

<213> Homo sapiens

<400> 8387

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attgaattaa	taaatatcat	atctttgaat	ttggaaaatt	agtatttgta	aaattccatc	300
atgacactga	ctatgaagtt	ctttcaaact	atattctctt	accttcagtg	ggtaaatata	360
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<210> 8388

<211> 312

<212> DNA

<213> Homo sapiens

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gaactgcaac	tccgcrccaa	gttacatttg	atttgaagaa	cgggtgttaa	tttcatgggtg	300
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<210> 8389

<211> 1056

<212> DNA

<213> Homo sapiens

<400> 8389

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gcagccgtga	aatcgctctt	cataaagtgg	gcttaattct	ctagttaaag	ttcttttgat	660
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4178

<210> 8394
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tggcagcctt cctgatttct gcagctctgt gtgaaggtaa gcacatcttt ctgacctaca 180
gc 182

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<211> 516
<212> DNA
<213> Homo sapiens

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<211> 568
<212> DNA
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tgatacgag ragtcrcaac aggcactg 568

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<211> 549
<212> DNA
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ccagctatga	gaaatcagat	ggtgtttaca	cgggcctgag	caccaggaac	caggagactt	300
acgagactct	gaagcatgag	aaaccaccac	agtagcttta	gaatagatgc	ggtcatatcc	360
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taacaccagc	tgccctamc	cctataatga	tctgtgtcc	taaattaata	tacaccagt	480
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<211> 159

<212> DNA

<213> Homo sapiens

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<211> 458

<212> DNA

<213> Homo sapiens

<400> 8399

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acaccaagat	accattcatc	aactggccct	ggagtgatcc	ttccgaacct	tcatagcggc	420
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<211> 292

<212> DNA

<213> Homo sapiens

<400> 8400

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agcgcgccct	ccccgcagcg	caggggaagt	cgtgggtggc	ggcggcgcca	tcgcgggcgt	180
cacttggtgcg	gasagttggc	tactcacttt	ccatcggaag	atattctctt	ggtaacagct	240
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<210> 8401

<211> 391

<212> DNA

<213> Homo sapiens

<400> 8401

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<210> 8402
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tataggctat	tttctcaagg
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	ccttgtgtgk
	atctgtgc
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	300
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	398

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cccacccctg	aagatcccg
taactttatc	tactccgatg
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	240
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	60

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taacttattc	tactccgtga	gtatggggcc	gggctgctgg	ggctgctctg	gggccacagg	420
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<210> 8406

<211> 353

<212> DNA

<213> Homo sapiens

<400> 8406

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ctaactcttt	tttttctctt	ggttatcttt	agccattata	tgtgtatata	tacagacaca	180
tatgtataca	cttacatttt	gacaggggtc	tcattgagtc	ttgatgcact	ttaaaccag	240
ctggctacca	gagatgcgaa	ggtagggctc	ttgaagatta	gcaaaatgga	cgtttctgtc	300
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<210> 8407

<211> 178

<212> DNA

<213> Homo sapiens

<400> 8407

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<210> 8408

<211> 406

<212> DNA

<213> Homo sapiens

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ttctgcagag	atctgcccga	gctttcagcg	tgatcatgaa	accctectca	tggaacacac	180
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<211> 422

<212> DNA

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aggcccagcc	gcagccgcag
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ggtgtcctcg	ccctgctgcg
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cagaccggg	ctctcggtcc
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<212> DNA
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tggtgagrag gtgaaggtgr ttatctggnt gactggacag tgctctgtaa tggacctact 420
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<211> 149
<212> DNA
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cacaacaaca gccgaccctc cscgccccca 149

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<211> 153
<212> DNA
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<211> 447
<212> DNA
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<210> 8419
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 <212> DNA
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444

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<213> Homo sapiens

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<211> 181

<213> Homo sapiens

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<211> 199

<213> Homo sapiens

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<211> 396

<213> Homo sapiens

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<211> 265

<213> Homo sapiens

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<211> 283

<212> DNA

<213> Homo sapiens

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<211> 327

<212> DNA

<213> Homo sapiens

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<211> 427

<212> DNA

<213> Homo sapiens

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<211> 519

<212> DNA

<213> Homo sapiens

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<211> 185

<212> DNA

<213> Homo sapiens

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<211> 328

<212> DNA

<213> Homo sapiens

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<211> 416

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<213> Homo sapiens

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<211> 398

<212> DNA

<213> Homo sapiens

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<210> 8448
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<212> DNA
<213> Homo sapiens

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artgtcatcg gttcggtaaa gtttctgttc tctgatttgg ggatattccc tgcccaaaaa 180
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<210> 8449
<211> 280
<212> DNA
<213> Homo sapiens

<400> 8449
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gacaganaaa gaagaactca aagatacaca aagtaatttg aaccaaggct cagaagtttt 180
tggagccgtg agggatacag cagtttggtc aatattgtct taacatgctt caaataaatc 240
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<211> 288
<212> DNA
<213> Homo sapiens

<400> 8450
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gcagtttggt caatattgtc ttaacatgct tcaaataaat cagatgttct cagtgcagct 180
gagtcttggt gagcagacat gggaaatccga agcagcagta taaagaaggc tcagcaggct 240
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<210> 8451
<211> 492
<212> DNA
<213> Homo sapiens

<400> 8451
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<211> 349
<212> DNA
<213> Homo sapiens

<400> 8452
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<211> 521
<212> DNA
<213> Homo sapiens

<400> 8453
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<211> 205
<212> DNA
<213> Homo sapiens

<400> 8454
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<210> 8455
<211> 475
<212> DNA
<213> Homo sapiens

<400> 8455
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<210> 8456
<211> 229
<212> DNA

<213> Homo sapiens

<400> 8456

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<210> 8457

<211> 263

<212> DNA

<213> Homo sapiens

<400> 8457

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aacacagtw	tggttcgcaa	gaagaagaag	cagctgaagc	cgtggtgctg	gtatcctttg	180
tccgtwtgaa	gtcagagtcg	cgttgggggtg	ccggttggtg	gggcctggga	ctaggaggcc	240
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<210> 8458

<211> 487

<212> DNA

<213> Homo sapiens

<400> 8458

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<210> 8459

<211> 233

<212> DNA

<213> Homo sapiens

<400> 8459

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gcatcactgt	ttcttggcgt	gtgaagataa	cccaaggaat	tgaggaagtt	gctgagaaga	180
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<210> 8460

<211> 322

<212> DNA

<213> Homo sapiens

<400> 8460

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gtgccaacat	tgctgccatc	actgaatcag	acaagttctt	catcaacggc	tccaactggg	240
aaggcatcct	ggggctggcc	tatgctgaga	ttgccaggcc	tgacgactcc	ctggagcctt	300
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<210> 8461

<211> 414

<212> DNA

<213> Homo sapiens

<400> 8461

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cgccaatgca	acagagcccc	agaaagcaga	gaactgaagt	gcagccatya	ggtggaagcc	360
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<210> 8462

<211> 176

<212> DNA

<213> Homo sapiens

<400> 8462

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<210> 8463

<211> 401

<212> DNA

<213> Homo sapiens

<400> 8463

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catcagaggg	tgtgtgccta	gctgtggaga	agagaattac	ttccccactg	atggagccca	300
gcagcattga	gaaaattgta	gagattgatg	ctcacataga	accactgggt	cacctacaat	360
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<210> 8464

<211> 164

<212> DNA

<213> Homo sapiens

<400> 8464

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<210> 8465
<211> 873
<212> DNA
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<400> 8465
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<210> 8466
<211> 333
<212> DNA
<213> Homo sapiens

<400> 8466
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gsgtccttkg cccactcctg ttggccgcng cggctccaaa gcgagctggg cagatgtgcc 240
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aaaggaacac acgtccctga ctgactagga gga 333

<210> 8467
<211> 220
<212> DNA
<213> Homo sapiens

<400> 8467
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tgctctgttt ctctgaatca aatgaagtag aagtttacia agctaacttt cttcttgtct 180
agctattaac atgatttgc aatgcagtg ttttttcagc 220

<210> 8468
<211> 387
<212> DNA
<213> Homo sapiens

<400> 8468
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<210> 8469

<211> 285

<212> DNA

<213> Homo sapiens

<400> 8469

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ctgcctcccc	gctctcaagg	agggctctgcc	gcatgtgatg	aaagtgtcta	ctctcagggg	180
aagctcagcc	atggcttccc	cactgccccg	ggagatggag	gaggagctgg	tgccctactgg	240
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<210> 8470

<211> 477

<212> DNA

<213> Homo sapiens

<400> 8470

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<210> 8471

<211> 394

<212> DNA

<213> Homo sapiens

<400> 8471

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gcaaatactc	agtggacgaa	atatttgag	tgcatgagg	tgaggggcat	aaccgcggas	360
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<210> 8472

<211> 453

<212> DNA

<213> Homo sapiens

<400> 8472

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gactctgggc	gtcatgtact	acaagtttag	tggtttcacg	cagaagttgg	caggagcatg	120
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<210> 8473

<211> 134

<212> DNA

<213> Homo sapiens

<400> 8473

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<210> 8474

<211> 397

<212> DNA

<213> Homo sapiens

<400> 8474

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catccgcacc	aagccctacc	cctgggggga	cggcaaccac	actctgttcc	acaatagcca	360
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<210> 8475

<211> 480

<212> DNA

<213> Homo sapiens

<400> 8475

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aaaccattcc	tcactgctct	aacatgctga	agaaatcatc	tgagggggag	ggagatggat	300
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cttccactgt	tagagatttg	aggttacatg	atatgcttta	tgctcataac	tgatgtggct	420
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<210> 8476

<211> 507

<212> DNA

<213> Homo sapiens

<400> 8476

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cttccgaags	acagagarct	cagcagggtc	ccaggggtgc	gataaraaca	tgagcggctg	480
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<210> 8477

<211> 459

<212> DNA

<213> Homo sapiens

<400> 8477

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ctacaaactg	ggcaactgga	atcagnacag	agactttgga	tgagcatcca	gtgtaaccca	360
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<210> 8478

<211> 218

<212> DNA

<213> Homo sapiens

<400> 8478

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cgcacggcag	cctagcgcaa	tgaggcgggc	agcactgcgg	ctttgtgcct	tgggcaaagg	180
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<210> 8479

<211> 399

<212> DNA

<213> Homo sapiens

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ttgggacttt	tcatgcctcg	TTTTTTTTTc	agatgtggct	tggctctggc	gcaaggctcc	180
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taaacttgtg	gagggggtsc	gggacgtgag	tccttcccca	tgccaggcga	atggtgtggc	300
cttgagctgg	tccaggagcc	ggctcgacgt	gtctnaggga	ggccccggag	gggcggggag	360
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<211> 382

<212> DNA

<213> Homo sapiens

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gatccaatcc aggatccaga cacattagtc aagctgcagc caaagtcgac gttgaatttg 300
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acagctgaat ataattcaga at 382

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<211> 282
<212> DNA
<213> Homo sapiens

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tcctgccccg gcgcttgga tccctacggc cccacagcgc gatccctca gccttccagg 180
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<211> 203
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<211> 336
<212> DNA
<213> Homo sapiens

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cctgccaggg ttccccagcc atgaatctct tccgattcct gggagacctc tcccacctcc 240
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<211> 280
<212> DNA
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cagatgtctg ctgtgatctt tttcactgga taggtcaagc acttttccac attgcctcat 180

agtgttcatt atgatacact ttaatgggct gggggaaagt ctgtcaagtg gctgtcccat 240
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<211> 219
<212> DNA
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gctgccccac ccgggagttc tctgtgtgat gatatcggc 219

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<211> 321
<212> DNA
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<211> 369
<212> DNA
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<210> 8488
<211> 350
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<211> 197
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<213> Homo sapiens

<400> 8489
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caccatgata aatgacc 197

<210> 8490
<211> 217
<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

<400> 8491
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<211> 312
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<213> Homo sapiens

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gtttggggca agggccagaa atgtggagac atgggttttg ttacgcattc ttgtattata 180
tgtgactaaa ttacaaaaca agatacatgt gtaatttaag acccttatgg aactggaaga 240
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aataattggg gg 312

<210> 8493
<211> 658
<212> DNA
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<400>	8494								
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acattcatgg cttgaagggtg gccatggttg gagtatattac accacagaaa tcagcaaattg    180
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4203

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caataccaac	ccataatcca	gctgaacaaa	gatactgtaa	cattatgatt	tgagtgggtgc	240
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<210> 8498

<211> 306

<212> DNA

<213> Homo sapiens

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<210> 8499

<211> 296

<212> DNA

<213> Homo sapiens

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<210> 8500

<211> 410

<212> DNA

<213> Homo sapiens

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tggtcacctc	attcccattt	sockgtgwag	ccaagagncc	tgaggccacc	catccatgk	360
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<210> 8501

<211> 271

<212> DNA

<213> Homo sapiens

<400> 8501

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gcagcaggat	cacaggtgaa	cagatggcgg	gcctgggccc	tcccttgggg	ctgcgttctc	240
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<211> 411

<212> DNA

<213> Homo sapiens

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tggatgggtct	tggatgatgg	ataaataggg	acaggracag	ttaaattggg	agccttttctt	300
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<211> 454

<212> DNA

<213> Homo sapiens

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<211> 174

<212> DNA

<213> Homo sapiens

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<211> 186

<212> DNA

<213> Homo sapiens

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 catatccttc tggcagttga tattttcwmt tgtttttttc tttcttagac tttttgtttt 240
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<210> 8507
 <211> 358
 <212> DNA
 <213> Homo sapiens

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 gactggaagg ctgctcaggt ctcaccgtaa gcactgggac aatgcctttt gactgacagg 180
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<400> 8510

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SECRET

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<212> DNA

<213> Homo sapiens

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tctgggactt	cccggtggag	tgaggaaccc	agcaacacgc	tcctgacttc	ccttcccaag	300
gactcgacct	gagaaggaca	cagcagtcct	tgaatttcat	gctctcctct	ttgatgtgaa	360
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<210> 8521

<211> 469

<212> DNA

<213> Homo sapiens

<400> 8521

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ctcttctcgc	cttatatagc	aagggtctgg	cgttaatggt	aacagaaatc	taacaacagg	180
gaaggctgcc	agatagcatt	aatcaggcca	gtgtttggaa	tttcataaat	gctctgactt	240
tgggtacaaa	ttgaacatta	agaacaatat	gaaaactgtc	ttccttcctc	tctcttcttc	300
tctcctctcc	ccctccccag	cctatccagt	ttctctctct	gtwtctctgt	gaattcctct	360
gctttgccat	atgcktgtct	cattggaact	ttgttgattt	ttgccacgtt	taakttttta	420
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<210> 8522

<211> 191

<212> DNA

<213> Homo sapiens

<400> 8522

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caacactgcc	gctgtctctt	cttcaccgta	tccttctcta	cccacctctt	tctctctnct	180
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<210> 8523

<211> 176

<212> DNA

<213> Homo sapiens

<400> 8523

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ctcctatccc ttcattcccc cctcaccggg atttgcttcc cttccccctt ctcccg 176

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<212> DNA

<213> Homo sapiens

<400> 8524

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tctcaagggc	ctgggagggg	tgctgccggc	caagagggtc	caggacctca	ctggactgtg	180
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gacctgttc	cagtaaata	ggactgcagc	aggagccgtg	agccctgact	cccggccaga	300
gacacgacgt	cagaccagaa	agaatgagga	ggccgcgtgg	ggcccgcggg	tgtgcagggc	360
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<210> 8525

<211> 176

<212> DNA

<213> Homo sapiens

<400> 8525

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<210> 8526

<211> 169

<212> DNA

<213> Homo sapiens

<400> 8526

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ccgtactgc	tactgctggt	ggccaccaca	ggccccgttg	gagccctcac	agatgaggag	120
aaacgtttga	tggtggaggc	tgcacaacct	ctaccggggc	caggtatcc		169

<210> 8527

<211> 165

<212> DNA

<213> Homo sapiens

<400> 8527

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tacagtcagt	tctatctcac	agataatcaa	gtcaggctt	tcagagccta	agtcaccttc	120
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<210> 8528

<211> 388

<212> DNA

<213> Homo sapiens

<400> 8528

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ggtgtnrasc	agcaggactt	gcatttggtc	tcgcctgcct	agtgtcttcc	aagggataga	180
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atcactccaa	ctctgtggag	ctgggtgggtc	tgccctgggtg	ggctctctct	ttgcccggga	300
cgtggaacaa	ctttcagctg	gaggacgaga	gggaatagt	aagctaaagg	ttgcttttct	360
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<210> 8529

<211> 395

<212> DNA

<213> Homo sapiens

<400> 8529

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tgcacagcca	gacaggagct	ggctgcgggg	catggaagca	gcctccttgg	cagccgggag	180
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agctcatcca	cgcagaggct	tctccctgtc	ctccctgcga	gcttttctct	tgcagagccc	300
agtggagcca	gtccccacag	gagacaaccc	tgacgggagc	atggagctgc	tgtccacgcc	360
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<210> 8530

<211> 155

<212> DNA

<213> Homo sapiens

<400> 8530

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tgaggagtat	atttttggag	ccctcaacat	ttacctagac	atcatctata	tcttcacctt	120
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<210> 8531

<211> 289

<212> DNA

<213> Homo sapiens

<400> 8531

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tgttggaacca	atctagatag	attcattatc	ccatctagag	aagagacttt	agtcactgtc	180
ttcttgcttc	agacccatct	atatttaaaa	caaatttccc	taaatcctga	gactgagatg	240
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<210> 8532

<211> 430

<212> DNA

<213> Homo sapiens

<400> 8532

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ctcttaccgt	tgcaaactctg	ggagcactca	gttgtggaac	ccagccacca	tgttgtgaag	180
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aacttgtcag	cagtgtcatg	gagcccactt	gaaagaggat	tctaattatg	ctgcccgaagc	300
tgtggccaca	tggaggagag	atatacagtc	cctgctgaac	cctgctctaa	ttacaggagg	360

acttgaaaac cagtgggtggc gagactccaa gactattatt tttattttccg gacaaaaaca 420
tctgcttcac 430

<210> 8533
<211> 424
<212> DNA
<213> Homo sapiens

<400> 8533
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tgcttgaatg tcttctcctt taccacctca ccttggtggg acctccctcc ctggatctct 180
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attc 424

<210> 8534
<211> 313
<212> DNA
<213> Homo sapiens

<400> 8534
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gatccgctgg agcggagccg gccgtacgag gtgctgagag ggcagaacct ggtgttgatg 180
ggaaccattt tcagcatcct gctgggtgact gtcacctta tggcattttg tgtctacaag 240
cccattcggc gwcggtgaca gccagacaag ttcttcaatg agtatntggg aataataagt 300
tgtgttgacac aca 313

<210> 8535
<211> 375
<212> DNA
<213> Homo sapiens

<400> 8535
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tccagtgggt agggg 375

<210> 8536
<211> 316
<212> DNA
<213> Homo sapiens

<400> 8536
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tttrcccc	cacctgagcc	ccagctccta	cctctgacct	caacttctct	ttgatctctg	300
aatccccctc	gactcc					316

<210> 8537
 <211> 190
 <212> DNA
 <213> Homo sapiens

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aggaaggggc	

<210> 8538
 <211> 138
 <212> DNA
 <213> Homo sapiens

<400> 8538	
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<210> 8539
 <211> 277
 <212> DNA
 <213> Homo sapiens

<400> 8539	
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aacagatatc	tctatgctcg

<210> 8540
 <211> 477
 <212> DNA
 <213> Homo sapiens

<400> 8540	
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gagccccctg	ctacgcccc
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<210> 8541
 <211> 294

<212> DNA
<213> Homo sapiens

<400> 8541
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gctgggtgctt agtaaccgac ttctctccgg actcctgcac gacctgctcc tacagccggc 120
gatccactcc cggctgttcc cccggagggt ccagaggcct ttcagaagga gaaggcagct 180
ctgtttctct gcagaggagt agggtccttt cagccatgaa gcatgtgttg aacctctacc 240
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<210> 8542
<211> 136
<212> DNA
<213> Homo sapiens

<400> 8542
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tcgccgagcc tagaaccgag agggggccac cccaggcggg caccagcaga ttgcccgcg 120
cgcttctctt cttnam 136

<210> 8543
<211> 478
<212> DNA
<213> Homo sapiens

<400> 8543
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tgcctagcta gaggatctgt gacccagacc atgaggaccc tcgccatcct tgctgccatt 180
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ccagcgtgca ttgcaggaga acgtcgctat ggaacctgca tctaccaggg aagactctgg 420
gcattctgct gctgagcttg cagaaaaaga aaaatgmgt caaaatttgc tttgnnag 478

<210> 8544
<211> 229
<212> DNA
<213> Homo sapiens

<400> 8544
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<210> 8545
<211> 287
<212> DNA
<213> Homo sapiens

<400> 8545
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ctnctacttt	cacatcggag	agacggagaa	gaagtgcttt	attgaggaga	tcccggacga	180
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<210> 8546
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 <212> DNA
 <213> Homo sapiens

<400> 8546						
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gagtttggat	gtttggatgg	gattccctta	ggattctaca	gccaataaag	atcctatttc	180
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tatccaaaca	gtcagagga	ttatgtgcac	cgtattggcc	gaacagcccg	tagcaccaac	480
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<210> 8547
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 <212> DNA
 <213> Homo sapiens

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gctggacgak	ggcaagtgcg	cttacatccg	akggaaaact	gaggctkcca	tcaaaaactt	180
cagtccc						187

<210> 8548
 <211> 388
 <212> DNA
 <213> Homo sapiens

<400> 8548						
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<210> 8549
 <211> 155
 <212> DNA
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<400> 8549						
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<210> 8550
 <211> 377
 <212> DNA
 <213> Homo sapiens

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 aggtgtatc ccccgag 377

<210> 8551
 <211> 249
 <212> DNA
 <213> Homo sapiens

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<210> 8552
 <211> 388
 <212> DNA
 <213> Homo sapiens

<400> 8552
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<210> 8553
 <211> 372
 <212> DNA
 <213> Homo sapiens

<400> 8553
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<211> 199
<212> DNA
<213> Homo sapiens

<400> 8554
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<210> 8555
<211> 156
<212> DNA
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<210> 8556
<211> 473
<212> DNA
<213> Homo sapiens

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<210> 8557
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<212> DNA
<213> Homo sapiens

<400> 8557
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<210> 8558
<211> 541
<212> DNA
<213> Homo sapiens

<400> 8558

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<210> 8559

<211> 210

<212> DNA

<213> Homo sapiens

<400> 8559

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ctactttggc	caggcccttt	ctcattatct	gctttctgtt	tgctcacctg	ccttccacct	180
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<210> 8560

<211> 353

<212> DNA

<213> Homo sapiens

<400> 8560

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ggggcaggat	gagcaactcc	gttcctctgc	tctgtttctg	gagcctctgc	tattgctttg	300
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<210> 8561

<211> 150

<212> DNA

<213> Homo sapiens

<400> 8561

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<210> 8562

<211> 378

<212> DNA

<213> Homo sapiens

<400> 8562

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ctgctgtgtg	tacctggacc	ggaatggctc	ctggcatccg	gggtttaact	gcgagttctt	180
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caccragagg	cagcagaagc	actgcctggc	cttcagcccc	aagaccatag	caggcatcgc	300
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<210> 8563

<211> 146

<212> DNA

<213> Homo sapiens

<400> 8563

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<210> 8564

<211> 301

<212> DNA

<213> Homo sapiens

<400> 8564

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gtctgagggt	acagtgcaca	ctgaagaggg	gattgtctgga	gttgccacca	gcacaggtgt	180
ggtaacttca	gggtgtctcc	ccataccacc	tgtgtctgaa	tcaccagtac	tttccagcgt	240
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<210> 8565

<211> 511

<212> DNA

<213> Homo sapiens

<400> 8565

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cagagtgaag	gggtccgttc	tgtccctcac	actgtgacct	gaccagcccc	accggcccat	360
cctggtcatg	ttactgcatt	tgtggccggc	ctcccttgga	tcattgtcatt	caattccagt	420
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<210> 8566

<211> 222

<212> DNA

<213> Homo sapiens

<400> 8566

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<210> 8567
 <211> 177
 <212> DNA
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<400> 8567
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<210> 8568
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 <212> DNA
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<400> 8568
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 gacttttggt ctttcttctc acaaagtact tgggaagctc cgaccactca tgtttacctc 360
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<210> 8569
 <211> 231
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 <213> Homo sapiens

<400> 8569
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 ttattttttt gagacagaat cttgctctgt ctcccaggct ggagtgcagt ggctgatct 180
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<210> 8570
 <211> 465
 <212> DNA
 <213> Homo sapiens

<400> 8570
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<210> 8571
 <211> 360
 <212> DNA
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<400> 8571
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 gcagatgggc ttggagcctc ccccagaggt gtggcaggtg ctgaagacct amcccggaga 360

<210> 8572
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 <212> DNA
 <213> Homo sapiens

<400> 8572
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<210> 8573
 <211> 315
 <212> DNA
 <213> Homo sapiens

<400> 8573
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 tcgcgccctt gcagttcttc cggagtcagg gcgctgaggg agcgttgaca gggaagcagc 180
 cggatggtaa gtctgtgggc ccgtccctccc ttcgctggcc cagatttcgg gctccgactc 240
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<210> 8574
 <211> 216
 <212> DNA
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<400> 8574
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 cccactagg tgaagatgtc agcccaggag agctgcctca gcctcatcaa gtacttcctc 180
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<210> 8575
 <211> 311
 <212> DNA
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<400> 8575

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<210> 8576
 <211> 398
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caggagctgg	gagaactgga	gaaaactgct	ctaattctac	ttgactccag	ctaggagctg	300
atgctgcac	gtaataacat	ttgcagagcg	ctttcacagg	cgctggagtg	acttgtctga	360
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<210> 8577
 <211> 264
 <212> DNA
 <213> Homo sapiens

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tgggccttgc	cacggtgcca	gcaggcagcc	ctgggctggg	ggtaggggac	tccttacagg	180
cacgcagccc	tgagacctca	gagggccacc	ccttgagggt	ggccaggccc	ccagtggcca	240
acctgagtgc	tgccctctgc	acca				264

<210> 8578
 <211> 173
 <212> DNA
 <213> Homo sapiens

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tcctgggcct	tagcttctct	ctgcagaccc	gccggccgat	tctcctctgc	tctccacgtc	120
tcatgaagcc	gctggtctgt	ttcgtctctg	gcggccccgg	cgccggcaag	ggg	173

<210> 8579
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 <213> Homo sapiens

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tcccaaattc	cgcttgctct	cgaggagcca	gcgtggcccc	ggcagctgat	ctcaacctgt	180
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taggtttacc	ctcccttctc	tccctcacc				270

<210> 8580
 <211> 221
 <212> DNA
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<400> 8580
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 aagtgattct tgtgcctcag catccacagt agctgagatt acaggattga cttctaaaga 180
 ctcttggtac gtgaggaaga aaccgcgaag aggaagagga g 221

<210> 8581
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8581
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 ggagcagcct tcaggggacg tggcgcagtc gaacagagcc accatgggga cgacggcccc 180
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<210> 8582
 <211> 293
 <212> DNA
 <213> Homo sapiens

<400> 8582
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 gagtggaagg cctgtatttc tctacctgga ccgcacgctc ctgcgcgaag gagggtagag 240
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<210> 8583
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 <212> DNA
 <213> Homo sapiens

<400> 8583
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 ccgctcgcaa gctactgacc gtactcgggc gtaattaggg gagccgcggt ccagcctcac 180
 accccacggg gctgttttcg acttcagaaa g 211

<210> 8584
 <211> 145
 <212> DNA
 <213> Homo sapiens

<400> 8584
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145

<210> 8585

<211> 297

<212> DNA

<213> Homo sapiens

<400> 8585

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<210> 8586

<211> 353

<212> DNA

<213> Homo sapiens

<400> 8586

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gggccctccc	gatggtgacc	acggctccgc	ctcctttacc	ccggatcccc	gacccccggg	300
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<210> 8587

<211> 416

<212> DNA

<213> Homo sapiens

<400> 8587

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<210> 8588

<211> 247

<212> DNA

<213> Homo sapiens

<400> 8588

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tgtttcttgg	gcaagcagaa	aaattaaatt	gtacctattt	tgtatatgtg	agatgtttaa	180
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aaaaaaa						247

<210> 8589

<211> 401
<212> DNA
<213> Homo sapiens

<400> 8589
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<210> 8590
<211> 161
<212> DNA
<213> Homo sapiens

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aaggagacca gtcttgggcg ctggagggtg aggggctggg a 161

<210> 8591
<211> 470
<212> DNA
<213> Homo sapiens

<400> 8591
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<210> 8592
<211> 298
<212> DNA
<213> Homo sapiens

<400> 8592
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<212> DNA
<213> Homo sapiens

<400> 8593

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ccctgtgcc	agcctcatcc	tccctcatcc	tgctctctgc	cttctctctg	ccctttaggc	180
ctcctgccag	aagagatcct	gacccccaca	ctctaccatg	gctactatgt	ccggcctcgg	240
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<210> 8594

<211> 379

<212> DNA

<213> Homo sapiens

<400> 8594

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gggtgcagag	ggtgcggcca	cgggcgagaa	tccccatctg	agaggagcgt	tgctgttttc	180
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ttaaagaaga	atttaaagta	aaattacgtc	aaaatgtagc	tgctttgacc	tcttcgtctc	300
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<210> 8595

<211> 263

<212> DNA

<213> Homo sapiens

<400> 8595

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cgtcggctcc	gggttcccag	ccctcctctg	gcccgcactc	atagaaacat	tcacacaccc	180
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<210> 8596

<211> 275

<212> DNA

<213> Homo sapiens

<400> 8596

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ggtctcactg	tattgcccag	gttgggtctc	aactcctggc	ttcaagcgat	tctccacct	180
cagcctccca	aagtgtctgg	attacaggcg	tgagccacca	cgcctggcct	cactcaaaca	240
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<210> 8597

<211> 326

<212> DNA

<213> Homo sapiens

<400> 8597

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<212> DNA
<213> Homo sapiens

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gttytycytn cgggtccggg actctgggct ccgncaccgt ggccgccggc gggaccagca 180
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ttggaaatct tggaagtact ccaa 264

<210> 8603
<211> 188
<212> DNA
<213> Homo sapiens

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gccgaactcg gggtttgccg tgaggactta acgcttatct cttaaaagcc agatctgttt 180
tagcctcc 188

<210> 8604
<211> 166
<212> DNA
<213> Homo sapiens

<400> 8604
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caccgttggt gtccgtgccg ttcagttgcc cgccatggct gagctg 166

<210> 8605
<211> 630
<212> DNA
<213> Homo sapiens

<400> 8605
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ctgaaaacat tttcttagag atgggggtctt gctgtgttgc ccaggccggt cttgaactcc 600
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<210> 8606
<211> 451
<212> DNA

<213> Homo sapiens

<400> 8606

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cggtgaaagg	ttgcgactat	taccaaatag	gaaaaacctg	aagacataag	aactacacat	180
gaggaatatg	tcatttagca	ctttcacttt	ttgatctcca	cagaagacaa	tgagaagtca	240
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<210> 8607

<211> 162

<212> DNA

<213> Homo sapiens

<400> 8607

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<210> 8608

<211> 162

<212> DNA

<213> Homo sapiens

<400> 8608

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<210> 8609

<211> 372

<212> DNA

<213> Homo sapiens

<400> 8609

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taatgctggg	gtgagcaact	ctgtgtacat	aggtttatct	cctattggaa	tattttcttt	360
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<210> 8610

<211> 159

<212> DNA

<213> Homo sapiens

<400> 8610

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159

<210> 8611
<211> 423
<212> DNA
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<400> 8611
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aag 423

<210> 8612
<211> 185
<212> DNA
<213> Homo sapiens

<400> 8612
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tttccaattc agaacaattt tagcttaaca taattcaatt tgtctacatt tgcttttctt 180
gcctg 185

<210> 8613
<211> 280
<212> DNA
<213> Homo sapiens

<400> 8613
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tgcagggagc cggcatgggg cttctccagt tgctagcttt cagtttctta ggtaattccg 180
tggaacggg gcggggaggc ggacggactt gggcatgggg aaggaaaacc caaaagctgc 240
ttgctcacct tcgtgggatc ctgggggctt gggasagggg 280

<210> 8614
<211> 183
<212> DNA
<213> Homo sapiens

<400> 8614
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gtcgtgctt tccctattgt ctgaggcagc cgccctcgcg ctgtgcaatt tctgggtctt 120
cgttgcttct ggtccaggct aataaagtgt ttctttcttt aatttttttt cttctagttt 180
taa 183

<210> 8615
<211> 163
<212> DNA

<213> Homo sapiens

<400> 8615

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<210> 8616

<211> 211

<212> DNA

<213> Homo sapiens

<400> 8616

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cggcgcgtct	ggggacacag	agccctccgt	gggtgcccggg	gattggattg	gagccaggac	180
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<210> 8617

<211> 140

<212> DNA

<213> Homo sapiens

<400> 8617

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<210> 8618

<211> 197

<212> DNA

<213> Homo sapiens

<400> 8618

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ccatggctcc	cctggccttg	gtgggggtca	cactctctct	ggcggctccc	ccatgctccg	180
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<210> 8619

<211> 189

<212> DNA

<213> Homo sapiens

<400> 8619

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cctggctcca	gggctaggcg	ggaccgaggg	ctgccccaga	cagacggacc	cgcggaccca	180
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<210> 8620

<211> 199

<212> DNA

<213> Homo sapiens

<400> 8620
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<210> 8621
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 <212> DNA
 <213> Homo sapiens

<400> 8621
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 atcttgaact accca 135

<210> 8622
 <211> 135
 <212> DNA
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<400> 8622
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<210> 8623
 <211> 326
 <212> DNA
 <213> Homo sapiens

<400> 8623
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 cgctgtctatc cactgtttac ctaagagagc tttccagcct gtgctaagaa aactgcccc 240
 catcatctgc agtaggacgg gggagtggga gccctgggtca ggccactctg ctactgacca 300
 cagttttctc atctctaaaa aggcgc 326

<210> 8624
 <211> 329
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 <213> Homo sapiens

<400> 8624
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<210> 8625

<211> 152
<212> DNA
<213> Homo sapiens

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gtgcgctccc cactcgtgtg gtctctctgc ac 152

<210> 8626
<211> 439
<212> DNA
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<400> 8626
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<210> 8627
<211> 209
<212> DNA
<213> Homo sapiens

<400> 8627
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<210> 8628
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<212> DNA
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gcagctccgt gggctgactg gggcgaggcc tcagcagcgc gagcttgagt g 171

<210> 8629
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<212> DNA
<213> Homo sapiens

<400> 8629
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<400> 8631						
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<210> 8632
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 <212> DNA
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<400> 8632						
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gtctgacgat	tgtggagagg	cgggtggagag	gcttcatcca	tcccaccggg	tcgtcgccgg	180
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<210> 8633
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 <212> DNA
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ctctttttct	cgcttggtga	ctccgatata	ttgcccttct	tcccttagaa	gaactgctga	360
accgactctg	agaaatttgg	taagtatgtc	agaggatggg	tgtttctcag	taatatcccc	420
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<210> 8634
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 <212> DNA
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<400> 8634		
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		60
		120
		132

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		gg
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		120
		180
		222

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 <212> DNA
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acagctagat	ggacaaacag	cattggggagg
gtagagaaca	ggagtcagga	gccgctggca
gtgcagaata	tgaacaaygc	catgttcttg
ggtaattacs	cagacaactg	cagaatgtag
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		60
		120
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		240
		300
		360
		420
		437

<210> 8637
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 <212> DNA
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aatggggcga	a	
		60
		120
		131

<210> 8638
 <211> 186
 <212> DNA

<213> Homo sapiens

<400> 8638

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<210> 8639

<211> 216

<212> DNA

<213> Homo sapiens

<400> 8639

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cccatctccc	tccaaacacc	tgaggcctgg	gtaggatcct	ggggctagga	ggactcagca	180
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<210> 8640

<211> 345

<212> DNA

<213> Homo sapiens

<400> 8640

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tcctaggctc	aagcgatcct	cctgcctcag	cctcccaaag	tgctgggatg	acagggtgtag	180
ccccgtgcct	ggcctggtca	tttctcttgc	tgtgcccaac	ctgccattaa	tcccatccat	240
cctgagcccg	acgtgggtcat	ttctctcacc	accagccta	ccgccccgacg	tggtcctttc	300
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<210> 8641

<211> 194

<212> DNA

<213> Homo sapiens

<400> 8641

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gcccggctcc	cwctctctcn	ccmctcctc	tttccccgyc	cggccgcggg	agcctcgtgg	180
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<210> 8642

<211> 699

<212> DNA

<213> Homo sapiens

<400> 8642

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ctttctgcag	tgggtctaaa	tggatctgga	ctggaggagt	ctttcctttc	ctttctccct	180
tcctctccag	ccaggctcctg	taagggccag	cccagactac	aggacatcca	cagaatattc	240
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taggggtggc	tctagctctt	gcagggtctt	tagagagcag	tcatgtcttt	tctcccatga	480
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<210> 8643
 <211> 344
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

<400> 8644	
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<210> 8645
 <211> 526
 <212> DNA
 <213> Homo sapiens

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aagttaggaa	agatctcatg
aaataattgc	attgttctct
gattctaact	ttgaatttca
ctwtcttttc	tkttttttga
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gcctcctgag	tagctgggat
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	480
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<210> 8646
 <211> 364
 <212> DNA
 <213> Homo sapiens

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	60

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<210> 8647
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 <213> Homo sapiens

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	193

<210> 8648
 <211> 454
 <212> DNA
 <213> Homo sapiens

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tgccccgaga	atastcgcca
gcctacgaaa	tatttcgctt
caaaagacat	tgttctatct
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	300
	360
	420
	454

<210> 8649
 <211> 202
 <212> DNA
 <213> Homo sapiens

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	180
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<210> 8650
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 <212> DNA
 <213> Homo sapiens

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	120
	180
	240

agaagtaagt	aggaccctgg	gatctgggga	gggaatggct	gtgtcccaca	ggaataacag	300
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<210> 8651
 <211> 449
 <212> DNA
 <213> Homo sapiens

<400> 8651						
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tactgttggc	catgtcttca	tcagtggctg	gagacacggc	cagaacggca	agagtgtcca	300
gtatgtaaag	ctgggatcag	cagagagaag	gttgtcccg	tttatggg	agggagccag	360
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<210> 8652
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 <212> DNA
 <213> Homo sapiens

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<210> 8653
 <211> 335
 <212> DNA
 <213> Homo sapiens

<400> 8653						
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<210> 8654
 <211> 455
 <212> DNA
 <213> Homo sapiens

<400> 8654

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ctcctcctct	caggtctgcc	agccatgaaa	cttctttacc	tgtttcttgc	catccttctg	180
gccatagaag	aaccagtgat	atcaggcaaa	cgccacatcc	ttcgatgcat	gggtaacagt	240
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cagtcctgct	gcctccagtc	ctacatgagg	ataagcattt	ctggcaaaga	ggaaaatacc	360
gactggtctt	atgagaagca	gtggccaaga	ctaccttgag	tgctggtgat	taccattctc	420
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<210> 8655

<211> 427

<212> DNA

<213> Homo sapiens

<400> 8655

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cycacggaat	cctgttagtt	tctaccacct	cctccccctt	ctctggagct	ggaggagctt	240
cagaagtcct	gtggagcgtc	ggctgggata	agtttgtctc	gggtgaaaagt	aaactttgaa	300
agctttccag	agtgttgaat	cttccaccag	aaaacttgat	cacatcaata	tctgcagttc	360
caatttccca	aaaagaagaa	gtagctgatt	ttcagctttc	tgtggattct	ttattggaaa	420
aagacaa						427

<210> 8656

<211> 679

<212> DNA

<213> Homo sapiens

<400> 8656

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<210> 8657

<211> 689

<212> DNA

<213> Homo sapiens

<400> 8657

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<210> 8658

<211> 577

<212> DNA

<213> Homo sapiens

<400> 8658

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gacgacaaga	agaagaagga	tcgcttgagc	ctgggaggtg	gaggctgtgc	tgctgtagcc	480
gtggtcgtcc	cactgcactc	cagcctgggc	gacagagtaa	aaccctgtct	caaaggaaaa	540
aaaaaaaaat	tggttaactcg	aaaacttgta	atgctcc			577

<210> 8659

<211> 445

<212> DNA

<213> Homo sapiens

<400> 8659

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<210> 8660

<211> 447

<212> DNA

<213> Homo sapiens

<400> 8660

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447

<210> 8661

<211> 502

<212> DNA

<213> Homo sapiens

<400> 8661

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kktgccccag	aatcttactg	gctacatctg	gtacaaaggg	caaatsaggg	acctctacca	420
ttacattaca	tcatatgtag	tagacgggtca	aaataattat	atatgggcct	gcatatagtg	480
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<210> 8662

<211> 394

<212> DNA

<213> Homo sapiens

<400> 8662

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<210> 8663

<211> 1337

<212> DNA

<213> Homo sapiens

<400> 8663

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<210> 8664
 <211> 1003
 <212> DNA
 <213> Homo sapiens

<400> 8664						
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 <211> 888
 <212> DNA
 <213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<210> 8667
<211> 807
<212> DNA
<213> Homo sapiens

<400> 8667
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<210> 8668
<211> 732
<212> DNA
<213> Homo sapiens

<400> 8668
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SECRET

<211> 727

<213> Homo sapiens

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<211> 675

<213> Homo sapiens

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<211> 663

<213> Homo sapiens

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<210> 8672
 <211> 653
 <212> DNA
 <213> Homo sapiens

<400> 8672						
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<210> 8673
 <211> 618
 <212> DNA
 <213> Homo sapiens

<400> 8673						
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<210> 8674
 <211> 610
 <212> DNA
 <213> Homo sapiens

<400> 8674

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<210> 8675
 <211> 597
 <212> DNA
 <213> Homo sapiens

<400> 8675						
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tcagcgtgga	ccatcggggc	acttggaaacg	ggccctgggt	gwccactgag	gtgctggctg	540
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 <212> DNA
 <213> Homo sapiens

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<210> 8677
 <211> 154
 <212> DNA
 <213> Homo sapiens

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ccaagttcag	actcaaaggc	attattatga	tttgcttctt	cccatgtctt	ccatgtcctg	120
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<210> 8678
 <211> 152
 <212> DNA
 <213> Homo sapiens

<400> 8678
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 <211> 134
 <212> DNA
 <213> Homo sapiens

<400> 8679
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<210> 8680
 <211> 207
 <212> DNA
 <213> Homo sapiens

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<210> 8681
 <211> 169
 <212> DNA
 <213> Homo sapiens

<400> 8681
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<210> 8682
 <211> 192
 <212> DNA
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<400> 8682
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 <212> DNA
 <213> Homo sapiens

<400> 8683
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<210> 8684

<211> 322

<212> DNA

<213> Homo sapiens

<400> 8684

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tgctcccgag	gttcgggtga	ttctcgtgcc	tcggccttcc	agatggctgg	gattgtgggc	300
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<210> 8685

<211> 260

<212> DNA

<213> Homo sapiens

<400> 8685

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<210> 8686

<211> 219

<212> DNA

<213> Homo sapiens

<400> 8686

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cagtacttgt	tcttctgtgc	ttctcattat	ggtcaccta	ctgagtgtga	agtgctaact	180
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<210> 8687

<211> 199

<212> DNA

<213> Homo sapiens

<400> 8687

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<210> 8688

<211> 162

<212> DNA
<213> Homo sapiens

<400> 8688
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<210> 8689
<211> 296
<212> DNA
<213> Homo sapiens

<400> 8689
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<210> 8690
<211> 200
<212> DNA
<213> Homo sapiens

<400> 8690
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<210> 8691
<211> 285
<212> DNA
<213> Homo sapiens

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<212> DNA
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tggtgttttt gagacggagt ctgcgactgt tgtccaggct ggagtgcagt ggcgtgatct 240
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305

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<211> 216

<212> DNA

<213> Homo sapiens

<400> 8693

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aaacagaagt	tcaggatgag	accctgctgg	cctggctctg	gcacatcctc	tgcactgttg	180
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<211> 244

<212> DNA

<213> Homo sapiens

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tvctctctct	ccccaccgac	tctctcgtct	ctctctgact	ctctctctct	ccccgacca	180
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<211> 461

<212> DNA

<213> Homo sapiens

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<211> 331

<212> DNA

<213> Homo sapiens

<400> 8696

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<210> 8702
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<212> DNA
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<400> 8702
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<212> DNA
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<212> DNA
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<210> 8705
<211> 358
<212> DNA
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<400> 8705
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<400> 8706
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<400> 8707
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<210> 8708
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 <212> DNA
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<400> 8708
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<211> 296

<212> DNA

<213> Homo sapiens

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gcctcctggc	cttcgatgcc	atctgctaca	gtgcggggcc	ctcaggggac	agccctgcca	180
gcagcagccg	gaaggggagc	atcagcagca	cccaggacac	cccagtcgcg	gtggaggaag	240
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<210> 8711

<211> 142

<212> DNA

<213> Homo sapiens

<400> 8711

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<210> 8712

<211> 271

<212> DNA

<213> Homo sapiens

<400> 8712

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<210> 8713

<211> 174

<212> DNA

<213> Homo sapiens

<400> 8713

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<210> 8714

<211> 440

<212> DNA

<213> Homo sapiens

<400> 8714

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grggggttta	cgggctgtga	atggaccttc	agcsstgccc	ascctccctc	cscactgctg	420
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<211> 175

<212> DNA

<213> Homo sapiens

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<211> 341

<212> DNA

<213> Homo sapiens

<400> 8716

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<210> 8717

<211> 464

<212> DNA

<213> Homo sapiens

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<211> 423

<212> DNA

<213> Homo sapiens

<400> 8718

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aga						423

<210> 8719

<211> 214

<212> DNA

<213> Homo sapiens

<400> 8719

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<211> 145

<212> DNA

<213> Homo sapiens

<400> 8720

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<210> 8721

<211> 186

<212> DNA

<213> Homo sapiens

<400> 8721

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gtcctgtcct	gcctgtggag	ggaagcaaac	cttcccctgg	accagagaga	ggagaaagcg	180
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<210> 8722

<211> 256

<212> DNA

<213> Homo sapiens

<400> 8722

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<211> 133
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 cacccggtgg cag 133

<210> 8724
 <211> 337
 <212> DNA
 <213> Homo sapiens

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 tggtagatat gcaccatgga atactacgca gccataaagg agaacaggat cttgtccttt 240
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 accaaatact atatgttctt actaacaagt gggacct 337

<210> 8725
 <211> 388
 <212> DNA
 <213> Homo sapiens

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 <211> 219
 <212> DNA
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 <211> 267
 <212> DNA
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<400> 8727
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ggccggcggtg	gagavrcctc
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	120
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tgagatggag	tcttgctgtg
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ccgaagaagt	acttggttgcg
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gtcctgctg	caaggcccct	gctccgtgtt	ctccccctgtg	agcgccatgg	agccccttggg	180
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atttatgaag	tggacttagt
agttttaagc	agaacatga
aaacctctgt	gacaactccc
tccagctcca	agagtgccgg
gaggtggggg	gcggcgcac
cgcggcctcg	agcttgctac
ctcagcccat	ccccaccacc
cctgacatcg	agaacgctga
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<210> 8737
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cctgagctca agggatcaac ctgccttggc ctcccaaagt gccaggatta tggmatgag    180
gcaccacacc tgacctgcac taagtttttt atatacgtaa tctccattaa tttttaacta    240
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<210> 8738

<211> 231

<212> DNA

<213> Homo sapiens

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gcctgctgtt ccacgaagga gaccacggg tggtaatggt cagttaaaac acggggatgg    180
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<210> 8739

<211> 228

<212> DNA

<213> Homo sapiens

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ctctcttact ggaaatgctg tcaggattaa gtggaataga gggctttcag actctagagt    180
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<210> 8740

<211> 183

<212> DNA

<213> Homo sapiens

<400> 8740

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gatttatcaa gctgtgcagg gagatgtggg gaaggggtatt ctagagatgc caccgcgaac    180
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<210> 8741

<211> 254

<212> DNA

<213> Homo sapiens

<400> 8741

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cagagtttca ctctgttggt ccaggctgga gtgcaatggc gcaatcttgg ctactgcaa    180
cctccacctc ctgggttcaa gggattatcc tgtctcagct tcccaggtag ctgagattac    240
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<211> 150

<212> DNA

<213> Homo sapiens

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<210> 8743

<211> 189

<212> DNA

<213> Homo sapiens

<400> 8743

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gattttccct	ggcaaataca	tatattccct	gcctgttgct	ttcaacattt	gtaaaaattg	180
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<211> 359

<212> DNA

<213> Homo sapiens

<400> 8744

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cagtctcata	ccaccacctg	cagttagtta	gttagttagt	gaaacacaga	ccccatgtca	180
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gcacagtggg	ggtcaggggt	gtggccccag	tggccaacta	ggggagtatg	gcctcctcca	300
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<210> 8745

<211> 132

<212> DNA

<213> Homo sapiens

<400> 8745

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<211> 344

<212> DNA

<213> Homo sapiens

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gaacccctgg	gctcaagtga	tcctccact	ttagtgctcc	aagtattaaa	tagctggcat	180
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 <211> 275
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 acccactgta cgtcagtctg cttgacagag tgaga 275

<210> 8748
 <211> 268
 <212> DNA
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<400> 8748
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<210> 8749
 <211> 212
 <212> DNA
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<400> 8749
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 tggttttcac ctctgttgct gctgtgcta aggagggaaa gaggagcagc tgcgggagga 180
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<210> 8750
 <211> 339
 <212> DNA
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<400> 8750
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<210> 8751
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<400> 8751

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<210> 8752

<211> 456

<212> DNA

<213> Homo sapiens

<400> 8752

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tcgtcgccca	cgatagagta	cagtggcgtg	atctctgctc	actgcaacct	ccgcctcctg	180
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gcccggctaa	ttkktgtgtt	tttagtaaag	acggggtttc	accatgtcgg	ccaggctgtt	300
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cgtgagcacc	gtgcccggtm	gcagccttgt	tttgactgag	tcattggggag	ccattactgt	420
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<210> 8753

<211> 252

<212> DNA

<213> Homo sapiens

<400> 8753

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cacccttggtg	ttaataagat	gtgtgagtta	agcagatttg	gtgggggtggg	gtagactggg	180
ggcagcactc	cattgtgaat	tgggattaca	gaatcaaagc	atcataacca	cagaaatatg	240
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<210> 8754

<211> 267

<212> DNA

<213> Homo sapiens

<400> 8754

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gcagttattt	ggctcaagg	gagtagtggt	ttttaaaccc	tactcccaca	cactgctgag	180
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<211> 311

<212> DNA

<213> Homo sapiens

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tccagtcaca ttagtgctct ccttggtttct caaaaactcc agttgctagg aatagatgct 300
taagggaag a 311

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<211> 166
<212> DNA
<213> Homo sapiens

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<210> 8757
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<212> DNA
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tcgcttctgg tttttttttt 140

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<211> 400
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<211> 331
<212> DNA
<213> Homo sapiens

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ggtggcgcca gagcccgag ctccaccagc a 331

<210> 8760
<211> 265
<212> DNA
<213> Homo sapiens

<400> 8760
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<210> 8761
<211> 421
<212> DNA
<213> Homo sapiens

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c 421

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<211> 274
<212> DNA
<213> Homo sapiens

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gtttaaaacg gtctatcatt ttgaactctg gaaaagtata agagttttta ctccctttaa 240
aatggaatat taatttgaaa attatgggga gaga 274

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<211> 158
<212> DNA
<213> Homo sapiens

<400> 8763
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ctggagtgca gcgncacaat ctcacttcac tgcagcct 158

<210> 8764
<211> 228
<212> DNA
<213> Homo sapiens

<400> 8764
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ggtgcacgcc accacgcccg gctaattttt gtattcttag tagagtaa 228

<210> 8765
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<212> DNA
<213> Homo sapiens

<400> 8765
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ccacccccgc caca 134

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<211> 211
<212> DNA
<213> Homo sapiens

<400> 8766
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tgagaccagc ctgggcaaca tgacaaaacc t 211

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<211> 147
<212> DNA
<213> Homo sapiens

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acaggcacaa gccactgcac cggccca 147

<210> 8768
<211> 162
<212> DNA
<213> Homo sapiens

<400> 8768
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aggcaaaaac tgacttatag taggtgtttc actgagggaa gc 162

<210> 8769
<211> 161
<212> DNA
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<400> 8769
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<210> 8770

<211> 351
<212> DNA
<213> Homo sapiens

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gaaaggagca ttgaaattaa ttagcactaa tttttcactg tgccaaagtg tgcagtgtcc 300
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<212> DNA
<213> Homo sapiens

<400> 8771
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caatctgtgc ttcagatata ttgagctctt ttagtagatg cctttacatt tgttgtctct 180
ttgtgattaa ttgacctgtg gacctgtct 209

<210> 8772
<211> 328
<212> DNA
<213> Homo sapiens

<400> 8772
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cactcagget ggagtgcagt agcgcaatct cagctcactg cagcctccgc ctcttggtgyy 180
caagtgatte tctctctca gctcctgag tagctgggat tacagggtgcc tgccacaatg 240
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tcgaactcct gacctcaagt gaccacc 328

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<212> DNA
<213> Homo sapiens

<400> 8773
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cccaggctgg agtgcagtgg cgcggtcttg gctcactgca acctccacct cccggtttca 180
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<210> 8774
<211> 148
<212> DNA
<213> Homo sapiens

<400> 8774
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<210> 8775

<211> 142

<212> DNA

<213> Homo sapiens

<400> 8775

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<210> 8776

<211> 253

<212> DNA

<213> Homo sapiens

<400> 8776

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gtcatctttt tgctdkgtgg agggccttcc ctcaatgttg acagccactg amhgateagg 180
gtagtggttg ctgaagggtg ggatggccgt gacagtkgct taaaataaga srgcagtwaa 240
gtttgccaca ctc 253

<210> 8777

<211> 169

<212> DNA

<213> Homo sapiens

<400> 8777

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<210> 8778

<211> 212

<212> DNA

<213> Homo sapiens

<400> 8778

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ccacacctgg ctaatttttg tatttttagt agagacaggt tggccaggct ggctcgaac 180
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<210> 8779

<211> 382

<212> DNA

<213> Homo sapiens

<400> 8779

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ctgcccagaa	agagataata	ataattaagg	atacagtagg	gggaacaagt	gcgtwaattt	300
acattttaac	ttgtcttttc	ttcaaatagg	tattaatatc	cttgtgaagt	ccaaggcctt	360
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<210> 8780

<211> 191

<212> DNA

<213> Homo sapiens

<400> 8780

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<210> 8781

<211> 441

<212> DNA

<213> Homo sapiens

<400> 8781

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cgtgagccac	cacggagggg	cctggagcat	ccagatggag	aggggmaatg	ccctgggtgg	300
gctgcgmasc	tgctctggcc	gggcctcacc	ttctaccatg	ctccccgcac	caagaactat	360
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<210> 8782

<211> 141

<212> DNA

<213> Homo sapiens

<400> 8782

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<210> 8783

<211> 239

<212> DNA

<213> Homo sapiens

<400> 8783

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gtgagatggg	gtttcacggg	gttagccagg	atggctctcg	tctcctgata	tcatgatctg	180
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<210> 8784

<211> 151
 <212> DNA
 <213> Homo sapiens

<400> 8784
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 tgatccaccc accttggcat cccaaaatgc tgtgattaca ggcgtgaatc acagcactgg 120
 cctgaatcta gggtttaaaa aaaaaaaaaa a 151

<210> 8785
 <211> 207
 <212> DNA
 <213> Homo sapiens

<400> 8785
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 gccatgctgc tatgctgcac ccattaactc gtcatttagc attaggtata tctcctaaag 180
 ctatccctcc ccactcctcc cacccecg 207

<210> 8786
 <211> 152
 <212> DNA
 <213> Homo sapiens

<400> 8786
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 ccccccttt tcagcgcast cggaactggc cc 152

<210> 8787
 <211> 222
 <212> DNA
 <213> Homo sapiens

<400> 8787
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 aagagtctgt tttgtcagtc ttaaggcttc tgtttttttt ggtttttttt tttagacag 120
 agtctcactc tgtcgcccag gctggagcgt agtggncgcg atctcggctc actgcaagct 180
 ccacctcccg ggttcamacc gttctcctgc ctmagccccc ca 222

<210> 8788
 <211> 298
 <212> DNA
 <213> Homo sapiens

<400> 8788
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 ccnagakgga gtctcgctct gtcacccagg ctggagtga atggcgcgca atctctgctc 180
 actgcaacct ctgcttcccg gggttcaggcg attctcctgc ttcagcctcc cgagtagctg 240
 ggattacggg cgtgtgcmac cgtgcccagc taattttkgt atttttagta gagatggg 298

<210> 8789

<211> 362
 <212> DNA
 <213> Homo sapiens

<400> 8789
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 cagtctttct gggagcctct tggcctgggt tggctcgagc atctttactt tgtattgact 180
 gcagagtaat tgtatttatg tactagtgtt tatatcccat tgtttttgat acaacaattt 240
 tcttaactag tctttttttc atgcgctgtt tttcaagatt tcataagaaa aatgctacta 300
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<210> 8790
 <211> 133
 <212> DNA
 <213> Homo sapiens

<400> 8790
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<210> 8791
 <211> 252
 <212> DNA
 <213> Homo sapiens

<400> 8791
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 tagattctga atatwagtcc tttgtcagat catagtttgc aaatattttc tcccactctg 180
 agaggtgtct gtttactctg ctgattattt cttttgctgt gcagaagctt tttagtttca 240
 ttaggtccca ta 252

<210> 8792
 <211> 149
 <212> DNA
 <213> Homo sapiens

<400> 8792
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 aggctggagt gcagtgcgc aatctcagct cactgcgctc cagcctggca acagagcgag 120
 actctgtctc aaaaaaagaa aaaaaaaaaa 149

<210> 8793
 <211> 411
 <212> DNA
 <213> Homo sapiens

<400> 8793
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 aggttcacat ttctaggcg ctcagatgtg caaagggtaa ttctgttctc tgattcctga 120
 actgagtctg tgtgctcagc cctgttctgg tgggtggggc ggcttggtcc tgtcacatgg 180

cagtgggttt	ggccacctcg	gggtttccac	agtccacagc	ctatggaaga	tccagccagc	240
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ctcctccctg	gccaccctgc	ccttaggggg	tttgcccttg	ttaacagccc	tgccctttgc	360
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<210> 8794

<211> 353

<212> DNA

<213> Homo sapiens

<400> 8794

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tacctcctgg	gctcaggtga	tcctctcacc	tcagcctcct	gagtagctga	gactacaggt	180
gtgcaccacc	actcctgggt	cattttttgaa	ttaaattttt	ttttttaatt	tttaattttt	240
gtagagacga	ggttttgctc	tattgccag	gttgatctca	aatgactgag	thaagtgatc	300
ctcctgcctc	agcctcccaa	agtgtctgaga	ttactagcgt	gaswaccaca	cct	353

<210> 8795

<211> 205

<212> DNA

<213> Homo sapiens

<400> 8795

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ttagctgggc	gtggtggcct	gcccctgtag	tcccagctac	tcaggcggct	gaggtgggag	180
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<210> 8796

<211> 274

<212> DNA

<213> Homo sapiens

<400> 8796

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tcaacatcaa	ctgctgcttc	tctgtgaagc	tattttctgat	ccttttcttc	tgcccagtc	120
cagttaatcg	cttctcctct	gcattgtgta	ttgtagccat	tactcttgta	atactataat	180
gtaatgattt	ctttatcttc	ctgtttccat	aataggccat	aaatctaata	gacaaattta	240
agatttccta	tttctccaac	ccccttcccc	acct			274

<210> 8797

<211> 131

<212> DNA

<213> Homo sapiens

<400> 8797

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cccttgcttc	taattgtaac	tttgactca	ctgaccaact	ttccctgcc	cctgcstccc	120
tcacccccga	a					131

<210> 8798

<211> 156

<212> DNA

<213> Homo sapiens

<400> 8798

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<210> 8799

<211> 211

<212> DNA

<213> Homo sapiens

<400> 8799

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ggtagagatg	acatttgcgc	atgttgccc	ggctggctct	aaactcctgg	gctcaagcga	120
tccaccaca	tggccaggcg	cagtggttca	tgcctataat	cccagcactt	tggaaggcta	180
acgtgggtgg	atcgcttgag	cycaggagtd	t			211

<210> 8800

<211> 140

<212> DNA

<213> Homo sapiens

<400> 8800

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gcctcaccct	cagagaggct	cacacagaag	agaccagcag	gtctagaacc	ctccaggctg	120
cccactgtcc	taccccgta					140

<210> 8801

<211> 134

<212> DNA

<213> Homo sapiens

<400> 8801

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tctctcacca	ncctctctct	tctccccctc	tttctcccc	tctttctctc	ttctttctct	120
cccgctcccc	ccga					134

<210> 8802

<211> 141

<212> DNA

<213> Homo sapiens

<400> 8802

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<210> 8803

<211> 417

<212> DNA

<213> Homo sapiens

<400> 8803

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gttcaattcc	tgatatccct	tgtaaacttt	ctgtctcggt	gatctgtcta	atgttgacag	180
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caggacttgc	tttatgaatc	tgggtgctcc	tgtattgggt	gcataatata	ttaggatagt	300
tagctcttct	tgttgaagtg	atccctttac	cattatgtaa	tggccttctt	tgtctctttt	360
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<210> 8804

<211> 156

<212> DNA

<213> Homo sapiens

<400> 8804

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tatcctcgtc	attctgcgtg	tctctcccca	cgcacactgt	gtcggggctc	agggtcctcc	120
tgcttwatat	gagccccctt	cctttcctcc	actcca			156

<210> 8805

<211> 314

<212> DNA

<213> Homo sapiens

<400> 8805

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catccgcctc	agcctcccaa	agtgcctgga	ttacaggcgt	gagccaccac	gccagccaa	180
aatgaacttt	taatggctag	catactctta	ggagtttctg	ttgtgatgcc	tgttacctca	240
gatcattaac	atcttgatga	taaggacttg	ataatatctt	ttgtttcagt	tatatcctcc	300
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<210> 8806

<211> 178

<212> DNA

<213> Homo sapiens

<400> 8806

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actgccacct	cctcctcctg	ggttcaagcg	atcctcctgc	ctcagcttct	caagtagc	178

<210> 8807

<211> 168

<212> DNA

<213> Homo sapiens

<400> 8807

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gtggcacaat	ttgggctcac	tgcaaccttc	gcctcccggg	ttcaggcgat	tctcctgcct	120
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<211> 348

<212> DNA

<213> Homo sapiens

<400> 8808

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tactgcaac	ctccacctcc	caggttcaag	tgattctcct	gcctcagcct	ccctagtagc	180
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tttctccata	ctggtcaggc	tagtctcgaa	ctcccgaact	caggtaatct	gcccgcctcg	300
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<210> 8809

<211> 249

<212> DNA

<213> Homo sapiens

<400> 8809

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agttttcaca	gttgctttta	ctgacctca	tggtcccagt	caaaaatcaa	gtcttctgtc	180
ccatggcaat	acttcagtgc	ttctattgca	tgggatgagt	gtggtcagcc	cagttccttc	240
ctccctcca						249

<210> 8810

<211> 157

<212> DNA

<213> Homo sapiens

<400> 8810

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gtatctggga	ttataggcgt	ccaccaccac	gcccgggt			157

<210> 8811

<211> 153

<212> DNA

<213> Homo sapiens

<400> 8811

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<210> 8812

<211> 214

<212> DNA

<213> Homo sapiens

<400> 8812

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ctcctctcgc	ctgcccggat	ccttaagggc	ctcctcgtcc	tcccggctctc	cggctcgctgc	180
cgggtctgtg	cgccgggtccg	cgcccccccc	cgct			214

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<211> 183
<212> DNA
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<400> 8813
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cttccttact tttcagcact ataagacct ctagattcct cttgtatggt tcccgcccca 180
gcg 183

<210> 8814
<211> 156
<212> DNA
<213> Homo sapiens

<400> 8814
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gatcacaagc ctcccttaaac aatccggtgg ccccca 156

<210> 8815
<211> 319
<212> DNA
<213> Homo sapiens

<400> 8815
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<211> 309
<212> DNA
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309

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<211> 191

<212> DNA

<213> Homo sapiens

<400> 8818

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<210> 8819

<211> 140

<212> DNA

<213> Homo sapiens

<400> 8819

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<211> 323

<212> DNA

<213> Homo sapiens

<400> 8820

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gatgatttct	tttttttttc	ttttcttttt	tcattttatt	ttttttwatt	attattawac	180
tttaagtttt	agggwacatg	tacacaatgt	gcaggttagt	tacatakgt	tacawkgcc	240
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<210> 8821

<211> 224

<212> DNA

<213> Homo sapiens

<400> 8821

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cagtggtgca	atcacagctc	actgcagcct	tgacctcccg	ggttcaagca	atgcttctac	180
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<210> 8822

<211> 201

<212> DNA

<213> Homo sapiens

<400> 8822

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004220" 004400

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 <212> DNA
 <213> Homo sapiens

<400> 8826
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<213> Homo sapiens

<400> 8827

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gtggacttat	gtctattatt	tattccagtc	ttctctgtgt	ggcttggttt	ggtttttact	300
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<210> 8828

<211> 159

<212> DNA

<213> Homo sapiens

<400> 8828

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<210> 8829

<211> 134

<212> DNA

<213> Homo sapiens

<400> 8829

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<210> 8830

<211> 355

<212> DNA

<213> Homo sapiens

<400> 8830

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ctgaacttag	cgttttcaat	agctaagatg	aaatgtttct	attcatgatg	tgcttctgkt	300
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<210> 8831

<211> 152

<212> DNA

<213> Homo sapiens

<400> 8831

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<210> 8832

<211> 280

<212> DNA

<213> Homo sapiens

<400> 8832

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tcatgggggt	ttgctgcaca	gatcatocca	tcacctaaagt	attaagctgw	nncatgcatt	240
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<210> 8833

<211> 245

<212> DNA

<213> Homo sapiens

<400> 8833

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actgcaacct	ccgcctccga	tgttcaagtg	attctcttgc	ctcaggctcc	cgagtagctg	180
ggattacagg	cacaagctac	cacacccggc	tactcgggag	cntgaggcaa	gagaatsact	240
tgaac						245

<210> 8834

<211> 208

<212> DNA

<213> Homo sapiens

<400> 8834

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gtgttttttag	taggcacgcc	gtgtctctcc	atgttgctca	ggctgggtctc	caactccccg	180
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<210> 8835

<211> 203

<212> DNA

<213> Homo sapiens

<400> 8835

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<210> 8836

<211> 202

<212> DNA

<213> Homo sapiens

<400> 8836

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cttactgcag cctccgcttc cgggggttcaa gcgattctcc tgcctcagcc tgccaagtag 180
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<210> 8837
<211> 150
<212> DNA
<213> Homo sapiens

<400> 8837
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ggattacakk catgcrccat cacacctgaa 150

<210> 8838
<211> 254
<212> DNA
<213> Homo sapiens

<400> 8838
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ggttagaccg cata 254

<210> 8839
<211> 281
<212> DNA
<213> Homo sapiens

<400> 8839
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gttggtgtac tttttttttt gaaacggagt ctactctgt sgcccagttc ggagtgcagt 180
ggcgtgatct cggctcacta caagctccgt ctcccgggtt casgccattc tgcctcagcc 240
tcctgagtag ctgagactac agsggcccac maccacacc a 281

<210> 8840
<211> 217
<212> DNA
<213> Homo sapiens

<400> 8840
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gcatgaaaca aaggtgttca ctctcactgc ttttttttyg ctttttttyg agacagagtc 120
tctttctgtc gctcaggctg gactscagtg gtgcgactc ggctcactac aacctctgcc 180
tcccagggtc aagcgattct cctgcctmag cctccaa 217

<210> 8841
<211> 317
<212> DNA
<213> Homo sapiens

<400> 8841

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tattatactt	taagttttag	ggtacatgtg	cacaatgtgc	aggttagtta	catatgtata	240
catgtgccat	gctgggtgtg	tgcacccatt	aactcgtcat	ttagcattag	gtatatctcc	300
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<211> 243

<212> DNA

<213> Homo sapiens

<400> 8842

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cagtttaattg	cattagcagc	tattttcccc	ccgcccctsc	cgccccggca	tatttgcctt	180
ctcttctcgc	tctccccaag	atatctggag	tcgattttgc	gagtscgaag	gccacaccca	240
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<210> 8843

<211> 275

<212> DNA

<213> Homo sapiens

<400> 8843

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gggttcaagt	gattctgctg	cgtcasctyt	yaagtagctg	ggattacagg	cgcctgccac	180
cacgcctggc	taattttttg	tatttttagt	agagacgggg	tttcaccgtg	tcagccaggc	240
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<210> 8844

<211> 149

<212> DNA

<213> Homo sapiens

<400> 8844

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tgttcasaaa	tcttgccctt	ggtggcatg				149

<210> 8845

<211> 206

<212> DNA

<213> Homo sapiens

<400> 8845

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tggtgaattc	ctgacctcga	gtgatctgcc	tgccctggcc	tcccaaagtg	ttgggattac	180
aggtgtgagc	cactacaacc	agccat				206

<210> 8846

<211> 310

<212> DNA
<213> Homo sapiens

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cgcgcccggc 310

<210> 8847
<211> 183
<212> DNA
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<400> 8847
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cagctacttg gcaggctgag gcaggagaat cgcttgaacc ggggaggcgg akgttgagct 180
nak 183

<210> 8848
<211> 280
<212> DNA
<213> Homo sapiens

<400> 8848
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<211> 152
<212> DNA
<213> Homo sapiens

<400> 8849
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cgmctcccag gttcaatcaa ttctcccgt gt 152

<210> 8850
<211> 141
<212> DNA
<213> Homo sapiens

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<211> 225
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<210> 8852
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<212> DNA
<213> Homo sapiens

<400> 8852
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<212> DNA
<213> Homo sapiens

<400> 8853
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<212> DNA
<213> Homo sapiens

<400> 8854
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<212> DNA
<213> Homo sapiens

<400> 8855
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196

<210> 8856

<211> 159

<212> DNA

<213> Homo sapiens

<400> 8856

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<211> 280

<212> DNA

<213> Homo sapiens

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<211> 479

<212> DNA

<213> Homo sapiens

<400> 8858

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acgtcttgct	ctgttgccca	tgctggagtg	cagtggatag	atcactgctc	actgcagcct	420
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<210> 8859

<211> 372

<212> DNA

<213> Homo sapiens

<400> 8859

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ctgttggtttt	tttttwtatg	tttatattgt	twttgagatt	tatccacatt	ggcgcataac	180
tctagttcac	tcatcttcac	tcttgatatag	tattttattc	atgagcattc	cacagcttat	240
ctattctttt	ctttcttttt	ttaaagagaca	aggtctcact	ttgttttttg	ggctggagtg	300
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<211> 301
<212> DNA
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<400> 8860
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gccgggcata gtggtgcatg cttgtaatct cagctactcg ggaggctgag gcaggagaat 180
tgcttgaacc tgggaggcag aggttgcggt gagccgagat cgagccattg gactccagcc 240
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<210> 8861
<211> 343
<212> DNA
<213> Homo sapiens

<400> 8861
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atcayacctg ccccataggt gaaaccctgt ctctactaaa aatacaaaaa ttagctgggt 180
ggagggaaca ccagtaatca atactgtatt gtccaccagc tgagaggcca ggctgtgggtc 240
gttgggtttt tttttttggt tgtttgggtt ttgttttggt ttgtwttgtt ttwtgtwttt 300
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<210> 8862
<211> 216
<212> DNA
<213> Homo sapiens

<400> 8862
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gctgggatta caggcatgtg ccgttacgcc caccct 216

<210> 8863
<211> 271
<212> DNA
<213> Homo sapiens

<400> 8863
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gagtttcact cttgttgccc aggctggagt gcaaaggctg aatctcggct caccgcaacc 120
tccgcctccc ggggtcaggc aattatcctg cctcagcctc ccaagtagca gggattacag 180
gcctatgcta ccacacctgg ctaattttgt atttttagta gagagagggg ttctccatgt 240
tggtcaggct ggtctcaaac tcccagctg a 271

<210> 8864
<211> 197
<212> DNA
<213> Homo sapiens

<400> 8864

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<210> 8865
 <211> 209
 <212> DNA
 <213> Homo sapiens

<400> 8865						
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ctcactgcaa	actccgcctc	ccgggttcac	gccattctcc	tgccctcagcc	tcccgagtag	180
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<210> 8866
 <211> 211
 <212> DNA
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<400> 8866						
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caagtgattc	ttccacctca	gcctcctgtg	tagctgggat	tacagatgct	caccascacg	120
cctggctaata	tkttgtattt	ktagtagaga	cggttttgcc	atggttgcca	ggctgggtctc	180
aaactcctga	cctcagggtga	tccgcctgcc	a			211

<210> 8867
 <211> 149
 <212> DNA
 <213> Homo sapiens

<400> 8867						
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gggttcaagc	gattctcctt	actcagcca				149

<210> 8868
 <211> 263
 <212> DNA
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<400> 8868						
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gtctttatgg	taaaatgggt	tatattcctt	tgggtatata	cccagtagtg	agattgctgg	180
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<210> 8869
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 <212> DNA
 <213> Homo sapiens

<400> 8869
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agtaacaaat caaggaacac aactaaagaa acacacacac aaaccaaaga caactacagc 180
gtctgcaaaa gtttgctaga agactgaaac tggtgagtat aaggatctgg tattctacga 240
tcatgagttc acttcaagag tttgttcaag acatacgttt cgtaaggaaa catcttagtt 300
agaagttatt cagcagtagg taccatccct aagtattttt caccaaattc gtgacaataa 360
agagctatct aaccagamaa attagcgagt accggcacca 400

<210> 8870
<211> 264
<212> DNA
<213> Homo sapiens

<400> 8870
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ctccagtgtt aggtgcatat atatttagga ttgtgatatt ttctgttggg acaaggcctt 180
ttaccattat ataatgtctc tctttgtccc ttttaactgc tggtgcttta aagtttgttt 240
tgatacaaga atagctaccc ctgc 264

<210> 8871
<211> 230
<212> DNA
<213> Homo sapiens

<400> 8871
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amggccagag ggmccaccagc catgccaggg gtggggcata gccagactca ggccaaagca 180
cggttgctgc yaggcgctga caggaagagg agccgcctca gcaggaggaa 230

<210> 8872
<211> 183
<212> DNA
<213> Homo sapiens

<400> 8872
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caccagact ggagtkcagt gacgcaatct catctcactg caacctccgc ctccccggtc 120
ccagctactt ggcaggctga ggcaggagaa tcgcttgaac cggggaggcg gaggttgcag 180
tra 183

<210> 8873
<211> 134
<212> DNA
<213> Homo sapiens

<400> 8873
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aacaagggtg ctct 134

<210> 8874

<211> 186
<212> DNA
<213> Homo sapiens

<400> 8874
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ccgcct 186

<210> 8875
<211> 239
<212> DNA
<213> Homo sapiens

<400> 8875
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ctcaggatgat cctccgcct cagcctccca aagtgtctggg attacaggca tgagccaccg 120
agcccagcca ggattcatac tttraaatgg gaatgtggaa atagacatta tcctgtaaaa 180
tatagttagt gtggcagatc agcaccaaaa atgatttgtg aagcttgtat gtatgggaa 239

<210> 8876
<211> 264
<212> DNA
<213> Homo sapiens

<400> 8876
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gtctcgtctc gttgcccagg ttggagtgcg gtagatgatc tggctcact acaagctcca 180
cctcctgggt tcaagcaatc ctctgcctt ggcctcctaa agcgtggga ttatgggcgt 240
gasaccacac ccagctattc aaag 264

<210> 8877
<211> 166
<212> DNA
<213> Homo sapiens

<400> 8877
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gcaccggcag aggggtctcg ttgctccctt gagtgtaggg gcagccctt aacctggctc 120
cttgagtccc tgctttttct gtttctgttg ctttcttctt cgtctt 166

<210> 8878
<211> 176
<212> DNA
<213> Homo sapiens

<400> 8878
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tgtcaggagt gcatgtctat caaaatttgt tttgttttgt tttttatttt tagattggaa 120
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<210> 8879

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4291

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185

<210> 8884

<211> 272

<212> DNA

<213> Homo sapiens

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tccgcctccc	gggttcaggc	aattatcctg	cctcagcctc	ccaagtagca	gggattacag	180
gcctatgcta	ccacacctgg	ctaattttgt	atttttasya	gagagcaggg	tttctccatg	240
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<210> 8885

<211> 176

<212> DNA

<213> Homo sapiens

<400> 8885

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<210> 8886

<211> 181

<212> DNA

<213> Homo sapiens

<400> 8886

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aatctcagct	caactgcaacc	tctgcctccc	aggttcaagt	gattctccta	cctcagcctc		180
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<210> 8887

<211> 209

<212> DNA

<213> Homo sapiens

<400> 8887

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ttctttctgc	ctataccatt	gtacaatttc	caactgtgaaa	cttgaggagac	agggatcagg	180
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<210> 8888

<211> 165

<212> DNA

<213> Homo sapiens

<400> 8888

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165

<210> 8889
<211> 147
<212> DNA
<213> Homo sapiens

<400> 8889
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tctgcaaagt gacaatttga ctctctttt cctatctgga tgctttttat ttctctctcw 120
ttgcwtgatt tatttggcta ggatttt 147

<210> 8890
<211> 191
<212> DNA
<213> Homo sapiens

<400> 8890
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cacctgggat t 191

<210> 8891
<211> 275
<212> DNA
<213> Homo sapiens

<400> 8891
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<210> 8892
<211> 164
<212> DNA
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<400> 8892
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<210> 8893
<211> 196
<212> DNA
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<400> 8893
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gttggtctggc ccctggvvgg gtagcatcsm gagartwttc taattacgtt tacaaaaatat 120
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196

<210> 8894

<211> 207

<212> DNA

<213> Homo sapiens

<400> 8894

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ttgggttcaa	acagttctcc	tgccttagcc	tcctgagcag	ctgtggctag	aactgtaggc	180
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<210> 8895

<211> 218

<212> DNA

<213> Homo sapiens

<400> 8895

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tccacatccc	amagcttggg	tgattctccc	ttcttagcct	cccagtagc	tgagactaca	180
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<210> 8896

<211> 285

<212> DNA

<213> Homo sapiens

<400> 8896

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atthtggttg	ccagtatttt	gttaaggatt	tttacctcaa	tgttcattga	gaatattggv	180
ctgaagttht	cttttttggt	ggtgcatctc	tgccaggtht	tgctatcaag	acgagctggt	240
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<210> 8897

<211> 254

<212> DNA

<213> Homo sapiens

<400> 8897

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tgctgagaca	gacgtgagg	cgggtaggag	gagcccgagc	cgtaaggga	gccgtgatga	180
gggcccgtgt	gacgtggaga	gataaagccg	agcactgtat	aatgacatc	gcatttaagc	240
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<210> 8898

<211> 152

<212> DNA

<213> Homo sapiens

<400> 8898

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<210> 8899

<211> 140

<212> DNA

<213> Homo sapiens

<400> 8899

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<210> 8900

<211> 449

<212> DNA

<213> Homo sapiens

<400> 8900

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<210> 8901

<211> 283

<212> DNA

<213> Homo sapiens

<400> 8901

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ctctgttgcc	caggctggga	kacagaggtt	gcagtaaacc	gagatcacan	nactgcactc	180
cagcctgggc	aacagagcaa	gaytctgtct	taaaaaata	aatmvatara	aattacgaaa	240
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<210> 8902

<211> 170

<212> DNA

<213> Homo sapiens

<400> 8902

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<210> 8903

<211> 333

<212> DNA

<213> Homo sapiens

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asccttggtg	tgggatttgg	ggggctcctg	ggcagagtgc	gaactccgga	gccgaggcca	180
stggatcccc	agtgactgct	cgggggggtc	ccgctgctg	gagatgccg	cagcacgtcg	240
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<210> 8904

<211> 435

<212> DNA

<213> Homo sapiens

<400> 8904

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gcagaccac	cttgggggtc	gaggagtgtg	aggaggtta	tvaaagtcat	gtgcctttca	360
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<210> 8905

<211> 147

<212> DNA

<213> Homo sapiens

<400> 8905

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cctctaattt	tcgtttttga	agttttt				147

<210> 8906

<211> 217

<212> DNA

<213> Homo sapiens

<400> 8906

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gcctgtgcct	atgtcctgaa	tggatcgac	taggttttct	tctagagttt	ttatggtttt	180
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<210> 8907

<211> 140

<212> DNA

<213> Homo sapiens

<400> 8907

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140

<210> 8908

<211> 171

<212> DNA

<213> Homo sapiens

<400> 8908

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cgccacgggt	ccccgctgag	acttttctcc	aatgtgacct	tctcagccag	t	171

<210> 8909

<211> 191

<212> DNA

<213> Homo sapiens

<400> 8909

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ccgggttcac	accattctcc	tgctcagcc	tccaagtgg	ctgggactgc	aggcaccgcg	180
caccacgtcc	a					191

<210> 8910

<211> 152

<212> DNA

<213> Homo sapiens

<400> 8910

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<210> 8911

<211> 202

<212> DNA

<213> Homo sapiens

<400> 8911

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aactatttgg	cttttagtact	aggttttcta	ttccgttcca	ttgctttaca	tgccaccatg	180
ccccgctagt	tttttgtttt	tt				202

<210> 8912

<211> 162

<212> DNA

<213> Homo sapiens

<400> 8912

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<210> 8913
 <211> 392
 <212> DNA
 <213> Homo sapiens

<400> 8913
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 tattataata ggattgtttt ctagatttct atttcagata gttttccatc accatacaga 180
 aatgctacta atttttatat gttgattttg tatcccacaa ctttactgag tttgtttatt 240
 agttctagta gtttttttgg tggagcctct aggattttgt atatacaaga tcacgtcatc 300
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 ttgccaaacc cacagctagc atcatactga at 392

<210> 8914
 <211> 264
 <212> DNA
 <213> Homo sapiens

<400> 8914
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 ctccagtgtt aggtgcataat atatttagga ttgtgatatt ttctgttgg acaaggcctt 180
 ttaccattat ataatgtctc tctttgtccc ttttaactgc tgttgcttta aagtttgttt 240
 tgatacaaga atagctaccc ctgc 264

<210> 8915
 <211> 197
 <212> DNA
 <213> Homo sapiens

<400> 8915
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 tgcattgttc atcccataac ccagggtatta atcccagcat ccactagcta ttcaccctga 180
 ttctccccc ccttcca 197

<210> 8916
 <211> 174
 <212> DNA
 <213> Homo sapiens

<400> 8916
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 gctactgctg cagtagctgg gagttgcttt gcattccaca gtacaaacag caga 174

<210> 8917
 <211> 182
 <212> DNA
 <213> Homo sapiens

<400> 8917
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accagactg gagttcagt acgcaatctc atctcactgc aacctccgcc tccccggtcc 120
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 ga 182

<210> 8918
 <211> 197
 <212> DNA
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<400> 8918
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 tgcattggtc atcccataac ccagggtatta wtcccagcat ccactagcta ttcacctga 180
 ttctccccc cttcca 197

<210> 8919
 <211> 412
 <212> DNA
 <213> Homo sapiens

<400> 8919
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 catggtgtat atgtgccaca ttttctttat ccagtctacc attgatgggc atttgggttg 180
 attccgtgtc tttgctattg tgaatagtgc tgcaataaac atacgtgtgc atgcatttta 240
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 ggtatttctg gttctagatt cttgaggaat cgcthactgt cttccacaat ggttcaacaa 360
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<210> 8920
 <211> 187
 <212> DNA
 <213> Homo sapiens

<400> 8920
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 aagtagctgg gattacaggc atgcgccacg atgcctggcc aattttgtat ttttagtaga 120
 gacagggttt ctccatgttg ttcagggtwg tyttgaactt ctcggcctca ggtgatccac 180
 ccaactc 187

<210> 8921
 <211> 151
 <212> DNA
 <213> Homo sapiens

<400> 8921
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 ttgtatattt gttaaaaagt gctctttttg cagtttctg ttccttgccg gtatttttca 120
 aggtctttck ctkkatwcaa acacacaaag c 151

<210> 8922
 <211> 161
 <212> DNA
 <213> Homo sapiens

<400> 8922
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ttgagacgga gtctcgtctt gttgcccagg ctggagtgcg gtggtgcgat ctgggtcac 120
yggcaagctc cgctcccag gttcacgcca ttctgctgcc a 161

<210> 8923
<211> 190
<212> DNA
<213> Homo sapiens

<400> 8923
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atctacatgc aatctttggc ttcttttttc tttctttttt ttttggagat ggaatctcgg 120
cwggtgtcacc caggctggag tgcagtggca caaactcggc tcaactgccac tcccgtctcc 180
caggtccagc 190

<210> 8924
<211> 304
<212> DNA
<213> Homo sapiens

<400> 8924
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cggmctccgn aggagctggg acwataggcg cgtgccacca cgctgtctr attttttgta 180
tttttagcgg agacggggtt tcaccttggt agccaggatg gtcttgatct cctgacctcg 240
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amtt 304

<210> 8925
<211> 394
<212> DNA
<213> Homo sapiens

<400> 8925
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tcttcttggt gcattgatcc ctctgccatt atgtaatgcc cttctttgtc ttttttgacc 120
ttgtttgttt taaagtctgt tttatcagag actaggattg caacccttgt aaagcagggg 180
aaggtgctca aaagagcaac attattagca ttattatttt ttagagacag ggtctcactc 240
tgtcggccag gctggagtgc agtggcatga tctcggctca ctgcagcctc aacctcctag 300
gctcaacgga tctcccacc tcagcctccc aagtagctgg gaccacaggc aggtgccacc 360
gtgttcagcc agtttttgta ttttttagtag agat 394

<210> 8926
<211> 373
<212> DNA
<213> Homo sapiens

<400> 8926
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ctttgggagg ctgaggcggg gagatcacct gaggtcggga gttcgagacc agcctgrsca 120
ncatggagaa accccatctc tattaaaaat acaaaattag ccgggcgtgg tggcacatgc 180
ctgtaatccc agctactcag gaggtcaggg caggagaatc acttgaacct gggaggcaga 240

ggttgcggtg agccaagatc tagccattgc actctagcct gggcaaggaa gnnbamgaaa 300
 gmagaccaag tccctgcctc gcagagctca cgatttastg gaaatggcat ccaataatar 360
 tgaataavta taa 373

<210> 8927
 <211> 170
 <212> DNA
 <213> Homo sapiens

<400> 8927
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 actccagcct ggggtgccaga gtgagactcc atcksaaaaa aaaccccta 170

<210> 8928
 <211> 203
 <212> DNA
 <213> Homo sapiens

<400> 8928
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 taattttttg tatttttagt agagatgggg ttccaccgtg ttagacatgg tctcaaactc 180
 ctgacctcat gatccgcca caa 203

<210> 8929
 <211> 398
 <212> DNA
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<400> 8929
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 tctgagtagc tgagattaca attatgtacc acccasgc 398

<210> 8930
 <211> 179
 <212> DNA
 <213> Homo sapiens

<400> 8930
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 ctggagtgca gtgggtgcat cttgggtcac cacaacctcc acctcccagg ttaaagcgat 120
 tctcctgtcd cagcctccct gtagtagctgg gattacaggc atgcgccacc acacccggc 179

<210> 8931
 <211> 158
 <212> DNA
 <213> Homo sapiens

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gacaatgtat	gtccttgtag	gtgaaaagt	tttctctg	gatcaatgg	tcttgctttc	180
ttatccattc	agtctgtgtc	tttcaatgac	aagagtgagt	ccttctatat	caataataac	240
attgaatgta	aattgacta					259

<210> 8937
 <211> 204
 <212> DNA
 <213> Homo sapiens

<400> 8937	
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gatcacctga	gcctagaagg
	tcaa
	60
	120
	180
	204

<210> 8938
 <211> 135
 <212> DNA
 <213> Homo sapiens

<400> 8938	
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atgccccgct	attgt
	60
	120
	135

<210> 8939
 <211> 257
 <212> DNA
 <213> Homo sapiens

<400> 8939	
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cttcttttga	gaattgtcta
ttttcgagtt	ccttgtagat
attttctccc	cctccca
	60
	120
	180
	240
	257

<210> 8940
 <211> 134
 <212> DNA
 <213> Homo sapiens

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gcctcagccc	cccc
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	134

<210> 8941
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 <212> DNA
 <213> Homo sapiens

<400> 8941

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gtctcccagg	ctggagtaca	gtggagtgat	ctcagctcac	tgcaacctcc	ccctcccggg	120
ttcaagcaar	tctcctgcct	cagcctcctg	aatagttgtg	attacaggcg	tctgtcacca	180
caaccagcta	tttttttttt	tttt				204

<210> 8942
 <211> 394
 <212> DNA
 <213> Homo sapiens

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ttgcawtwtt	wwctctccwt tctctgagtt gttttcactt ccttgatgaa gtgtcgttta 180
aaacaaaaac	ttaatttttt tttatttttg agacagggtc ttattccatt gggcaagctg 240
gagtgcagtg	gcatgggtcat ggctcactgc agcctcggcg tctgagctc aagtgatcct 300
tcccacctca	gcctcccaag taactggnnn ktacagctgt gcaccaccat gctgggtaa 360
tttgtaaaaa	ttttttttaga gacagagcct cacc 394

<210> 8943
 <211> 208
 <212> DNA
 <213> Homo sapiens

<400> 8943	
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gkatacatgt	gccaatgctg gtgcgcdrca cccactaact cgtcatctag cattaggtat 180
atctcccaat	gctatcccta cccctca 208

<210> 8944
 <211> 214
 <212> DNA
 <213> Homo sapiens

<400> 8944	
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ctccccctcc	tcccaccttt ttctttcctt cccaattcct tgcactctaa ccagttcttg 120
gatgcatctt	cttccttccc ttctctcttg ctgtttcctt cctgtgttgt twttgttgcc 180
cacatcctgt	tttcaccctt gagctgtttc tctt 214

<210> 8945
 <211> 240
 <212> DNA
 <213> Homo sapiens

<400> 8945	
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caggcacctt	ccaccatgcc tggctaattt ttgtactttt agtagagacg gggtttcacc 180
atgttggcca	agctgggtctc arnctcctga tctcaggtga tccacctacc tcggccttcc 240

<210> 8946
 <211> 176

<212> DNA

<213> Homo sapiens

<400> 8946

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gcccaggctg	gagtgcagtg	gcgcgatctc	ggcccactgc	aagctcgtcc	tcccgggttc	120
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<210> 8947

<211> 233

<212> DNA

<213> Homo sapiens

<400> 8947

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ccaagatggg	mggatcactt	kaggttcaag	wagttcgaga	ccagcctggm	kaacatggta	180
aaaccccgac	tctactaaaa	atagaaaaat	tagccaggca	tggtggcagg	cac	233

<210> 8948

<211> 380

<212> DNA

<213> Homo sapiens

<400> 8948

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<210> 8949

<211> 230

<212> DNA

<213> Homo sapiens

<400> 8949

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atattagcag	tcttgargwa	sgaagsmagg	acttgaactc	tggaaccaar	attgaagacw	180
agctgaaaca	gggaagaagt	gaaagcacct	ctgttagaca	cacccamcaa		230

<210> 8950

<211> 189

<212> DNA

<213> Homo sapiens

<400> 8950

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tgtttcaagc	tatctaactt	tctacttttg	tctgcctttt	ctaataaatg	twatcatgtg	120
ctggcaaaat	cttgtaaaat	tcagaaaggt	aaaatccagg	gaaatgaaac	ccagggacag	180
caactcccc						189

<210> 8951
 <211> 161
 <212> DNA
 <213> Homo sapiens

<400> 8951
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 ctctatcacc cagcctggag tgcagtggct ccatctcagc tcactgcaac ctccgcctcc 120
 caggttcaac caatacctca gcctctggaa tggctgggat c 161

<210> 8952
 <211> 284
 <212> DNA
 <213> Homo sapiens

<400> 8952
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 cctttcttgc tgttggtggc ctgggcaggt cgcggctgca ctcggggct cagtttcccc 120
 cactgggcat gaggatttca agaaaaattc cctctagctg gaggacactc tgtgtgcaaa 180
 tgcttgagg tgtgtttaga agtggtttgg accccttgac tggaatggag tagggggaat 240
 cctgttttgc cctatgcctc atacagatca gagggtgagg acct 284

<210> 8953
 <211> 239
 <212> DNA
 <213> Homo sapiens

<400> 8953
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 ttacctgtac cccatgcatt ataacgtggg ggcataatcaa agaactctgc acctccccct 120
 caactcccaa gcaaggagca catgccctaa gagaagttga ttdgaatttc aatgataagc 180
 aaagtgataa aaacactaaa aacggatgga gcctatcaat tccagtgggtg gcccccgct 239

<210> 8954
 <211> 445
 <212> DNA
 <213> Homo sapiens

<400> 8954
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 agnattatgt ggtttttaga catcttcttg gtattgattt ctatttttat tttcatttca 180
 ctgtggtctg agagtgtggt tggatgatt tctatttttc aaaatttatc gatacttcc 240
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 agatttccak ntagaatttt tgtgttagtt ttcagcctca atgatctgtc tgtcactgtc 420
 agttggatgt catagtcccc cactt 445

<210> 8955
 <211> 362
 <212> DNA
 <213> Homo sapiens

<400> 8955
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 cagagccaaa atatatccgt gccaacaccc aagggtgaagg actccagaga gaaactacaa 180
 gccttattga gaawgtaaga agctactaga cctttcctgc tgtagttatg aatatcttca 240
 tcctgcagcc cagccttgcc cagaccctga gccagacag acctgctccc aagagcagct 300
 gggctctgca attaccctgc agnnngaagc tccaggtaca tccctaggga gccagccct 360
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<210> 8956
 <211> 255
 <212> DNA
 <213> Homo sapiens

<400> 8956
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 atcttgtaga atttttatgg ttttgggcct tagatttaag tctttgatcc accttgagat 180
 gagtttcata taagggtgaga gatgaggatc ccatttcatt cttctacatg tggcttgcca 240
 gttatcccag cacct 255

<210> 8957
 <211> 234
 <212> DNA
 <213> Homo sapiens

<400> 8957
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 caggaaaagt gwttaagyacg amgaatgact aacacaggac cctgtccttt aggagtgtat 180
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<210> 8958
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 <212> DNA
 <213> Homo sapiens

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 ggcgtcgggg cggtcrrtg cggcartggg ggtggcagaa actccttccg aagccccgg 180
 cgccar 186

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 <211> 214
 <212> DNA
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<400> 8959
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 ttwtktttt ttttgagaca ggattttgcw gtgwactca ggctggagt tagtggtgca 180
 ctgcagcctc aacctgcctg tggttccagc tact 214

<210> 8960
<211> 177
<212> DNA
<213> Homo sapiens

<400> 8960
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gtacagtggc gcgatctctg ctcaactgcaa cctccgcctc ctaggttcaa gcaattctcc 120
tgccctcgct tcccaagtag ctcgattac aggtggatgc caccatgccc ggctcct 177

<210> 8961
<211> 180
<212> DNA
<213> Homo sapiens

<400> 8961
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tctctctaca cactgctttg aatgtgtccc agggattctg gwatgttggt tctttgtdct 120
cgttgggttc aaagaacacc ttkatcttcwg cctkcatttc gttatgtacc cagtagtcat 180

<210> 8962
<211> 203
<212> DNA
<213> Homo sapiens

<400> 8962
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taattttttg tattttttagt agagatgggg ttccaccgtg ttagacatgg tctcaaaactc 180
ctgacctcat gatccgccc caa 203

<210> 8963
<211> 141
<212> DNA
<213> Homo sapiens

<400> 8963
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gaactcctgg cctcaagtga tctccagcc ttggcttccc atagtgtgg gattgcaggc 120
gtgagcmacc atgtccagct t 141

<210> 8964
<211> 361
<212> DNA
<213> Homo sapiens

<400> 8964
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tatccgattg ataacaattt agcacctccg cgcaaaaaga gtcccttttt gaaaagcaaa 120
aacaaggaca aagacaagtc tccdacgacc caccagctc tctctaaacg cctgcgggtc 180
tggtcttctt ccgacatccc atcctctcct aacgagctc tctctttctc cgacattgga 240
gatttctaatt ccttttctt tatcatgtgt ctgtattgtg taccctcctt catttccgaa 300
attsraacaa acaaaaaaag ccagcgtcta aaaggccaga tggccgatag cggacccctc 360
c 361

<210> 8965
 <211> 152
 <212> DNA
 <213> Homo sapiens

<400> 8965
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 ctcccaagta gctaatacag gtgcattgcca ca 152

<210> 8966
 <211> 407
 <212> DNA
 <213> Homo sapiens

<400> 8966
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 tgccttttctt atttggctct tggattggct gttggggtat aagaatgcta gagatttttg 120
 tagattgatt ttgtatcctg aaaccttgct gaagttgttt ctgagctgaa gaagcttttag 180
 gaacaagact atgggggttt ctagatacag aatcatgtca tctgcaaaca gggacaattt 240
 gacttccact ttccctaatt gaataccctt tatttccttc tcctgcctga ttgccctggc 300
 cagaacttcc aacastatgt tgaataagag tggtagagaga gggcattcct gtcttgttsca 360
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<210> 8967
 <211> 267
 <212> DNA
 <213> Homo sapiens

<400> 8967
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 ttatkttttg tttcttggag acagagtctc gttctatccc ccaggctgga gtgcagtggc 180
 acgatctcag ctactgcaa ctctgcctgc catgttcaag caattctccc gcctcagcct 240
 ccggagtagc tgagattacb ggaaccc 267

<210> 8968
 <211> 416
 <212> DNA
 <213> Homo sapiens

<400> 8968
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 gaggctgasg cgggcagatc acccgaggtc gggagtgcg gaccagcctg gccggcatgg 240
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 tcccaagtta ctccggaggc tgaggtagga gaaatcgctt gaacctggga gatggaggtt 360
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<210> 8969
 <211> 134
 <212> DNA

<213> Homo sapiens

<400> 8969

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cgacascacg	cccc					134

<210> 8970

<211> 138

<212> DNA

<213> Homo sapiens

<400> 8970

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ggagtgcagt	ggtacgatct	cggctcactg	caacctccac	ttcctgggtt	caagtgatc	120
tcctgcctca	gcctccca					138

<210> 8971

<211> 289

<212> DNA

<213> Homo sapiens

<400> 8971

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cggagtctca	ctctgtcgca	caggctggag	tgcagtggcg	cgatctcggc	tcactgcaag	120
ctccgcvtcc	caargttcam	gccawtctcc	kamttcagcc	tmscgagtag	ctgggactac	180
aggcgccccg	caccamrcct	ggctaattdb	ttgtattttb	agtagagacg	gggtttsrym	240
gtgttagcca	ggatgggttc	gatctcctga	cctcgtgatc	cgccmacca		289

<210> 8972

<211> 154

<212> DNA

<213> Homo sapiens

<400> 8972

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ggccccgggc	agcgtgtgat	tcgggaggtg	aacc			154

<210> 8973

<211> 153

<212> DNA

<213> Homo sapiens

<400> 8973

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<210> 8974

<211> 204

<212> DNA

<213> Homo sapiens

<400> 8974

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catgcctatg	tcctgaatta	ttttaaaatg	tacaataaat	tattattgac	tgtaatcacc	120
cwgrtytrtg	ckatcaaaat	wytaaactgt	atwcattcta	cctatatattt	tgtactcatt	180
aaccatcccc	actttacccg	cgat				204

<210> 8975

<211> 230

<212> DNA

<213> Homo sapiens

<400> 8975

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tcctgggttc	aaacgattct	cttgcccttag	cctccctgag	gctaggaatt	acaggcacc	120
gccgccaccc	ctggctaatt	tttgtatttt	tagtagagac	aggggtttcgc	catgttagcc	180
agnctgggtct	cgaactcctg	acctcaggtg	atccacccac	ctcggcctcc		230

<210> 8976

<211> 342

<212> DNA

<213> Homo sapiens

<400> 8976

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gacggagtct	tgctctgtcc	cccaggctag	agtgcagtg	cttgatctcg	gctcactgca	120
acctctgcct	cccggnttca	cgccattctc	ctgtctcagt	ctcctgagta	gctgggacta	180
caggcgccca	ccaccacgcc	cggctaattt	tttgtatttt	tagtagcgat	ggggcttcac	240
cgtgttagcc	actatgggtc	tgatctcctg	ashtcgtgat	ccaccacact	tggcctccca	300
gagtgcctggg	attacadbeg	tgascaccgt	gcccggcccg	ca		342

<210> 8977

<211> 263

<212> DNA

<213> Homo sapiens

<400> 8977

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gtctttatgg	taaaatgggt	tatatccctt	tgggtatata	cccagtagtg	agattgctgg	180
gtcaaataat	agttctgttt	tcagtcctt	caggaatcac	cacattgttt	tccacaatgg	240
ttgaactaat	ttacactccc	acc				263

<210> 8978

<211> 343

<212> DNA

<213> Homo sapiens

<400> 8978

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amcttctgcc	tnccgggttc	acgccattct	cctgtctcag	tctcctgagt	agctgggact	180
acaggcgccc	accaccacgc	cggctaatt	ttttgtattt	ttagtagcga	tggggcttca	240
ccgtgttagc	cactatggtc	ttgatctcct	gacctcgtga	tccacccacc	ttggcctccc	300
agagtgcctg	gattacaggc	gtgasmaccg	tgcccgcccc	gca		343

<210> 8979

<211> 374

<212> DNA

<213> Homo sapiens

<400> 8979

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ctcatgttat	ttgaatttgc	atttttcatg	tgattactga	tgttgagcat	tttattatat	120
gccttttggc	catttgtatg	tccttttttt	ttattttatt	ttattttttt	tttggagaca	180
gagttttgct	cttgtcaccc	aggetgaagt	gcagtggbg	gatcttggct	cactgcaacc	240
tccacctccc	aggttcaagc	gattctcctg	cctcagcctc	ctgagtagct	aggwttamag	300
gcacgcacca	ccaggcccag	ttaattttkg	dattatttagc	agagatgggg	tttcaccatg	360
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<210> 8980

<211> 151

<212> DNA

<213> Homo sapiens

<400> 8980

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agaagctctt	tagtttaatt	agatcccatt	tgtcaatttt	ggcttttggt	gccattgctt	120
ttggtgtttt	agacatgaag	tccttgccca	t			151

<210> 8981

<211> 426

<212> DNA

<213> Homo sapiens

<400> 8981

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ccagtcaccc	actttgtgtc	tgtgaatttt	gccttttctg	gacttttgc	ataaatgaaa	120
tcagacactt	tgttatattg	tgtgactggc	tttcttcatt	taacataatg	tttttgtktt	180
ttgtttttgt	tttgagatgg	agtcgtgctc	tgttgccgag	gctggagtgc	agtggtgcca	240
tctcggctca	ctgcaacctc	cgctccctg	gttcacgcta	ttttcctgcc	tcagcctcct	300
gagtagctgg	gactacaggt	gcctaccact	acaccagct	aattttttgt	attttkvgta	360
gagacggggt	ttcacagtgt	tagccaaaat	tgtctcgata	tcctggbbyt	gtgatctgcc	420
caccca						426

<210> 8982

<211> 210

<212> DNA

<213> Homo sapiens

<400> 8982

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tcagtatgg	tttatgtcaa	gcttttttta	tgttgtattt	ctttttttat	ttttattatt	120
aattaatttt	tttgagacag	agtttcattc	ttgttgccca	ggctggagtg	cagtggcacg	180
atctcagctc	attgcaacct	ccgcctccct				210

<210> 8983

<211> 235

<212> DNA

<213> Homo sapiens

<400> 8983

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cagcctggtc	tttttgttt	gttttatttt	gttttttttt	tgagacggcg	tctcactcag	120
ttgcccaggn	tggagtgcag	tggtgtgac	tcgactcact	gcagcttcca	cctcctgggk	180
kcaagsrgtt	ctcctgcctc	aacctcccaa	gtagctggga	ttacaagtgt	gtgcc	235

<210> 8984

<211> 164

<212> DNA

<213> Homo sapiens

<400> 8984

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tggagtcttg	ctctgttgct	gaggctagag	tgcaatggcg	caatctcggc	tactgcaac	120
ctccacctcc	tgggttcatt	caattctcct	gcctcagcct	ccac		164

<210> 8985

<211> 215

<212> DNA

<213> Homo sapiens

<400> 8985

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tgtctgtgca	cccaggctgg	agtgcattgg	tgcaagtctg	ctcactgcaa	cctccacttc	120
ttgggttcaa	acagttctcc	tgsctttarc	ctcctgagca	gctgtggcta	gaactgtagg	180
cacaccccac	tgtgcttggc	taaccttttt	ttttt			215

<210> 8986

<211> 212

<212> DNA

<213> Homo sapiens

<400> 8986

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taagcgcacg	gcctcggcga	ccctctccga	cccggccg	gccgccatgc	agccctccag	120
csttctgcmg	mtcgcmmtct	gcctgcwrgc	tgaccccgcm	wccgcgctcg	tsaggawcmc	180
gctgmacaag	ttcacgtmca	wmcgcsagac	ct			212

<210> 8987

<211> 225

<212> DNA

<213> Homo sapiens

<400> 8987

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ggggatcctc	ctacctcagc	ctcaccatag	ctatgaccac	agatgaccac	caaaacaccc	120
agctaatttt	tattttattta	tttatttttt	gtagaaagag	gagccttgct	atgttgccca	180
agctggcctc	aaactcccgc	cctcaagaga	tctgcccacc	tcaac		225

<210> 8988

<211> 250

<212> DNA

<213> Homo sapiens

<400> 8988

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ttagtcatag	ttgttaaatt	cctgggtctga	tcattccagc	atccctgcca	tatctgagtc	180
tggttcagat	gcctgagttg	taggaaaggg	gaagcattct	aaagtcctac	gagtaggtct	240
cagtcctttt						250

<210> 8989

<211> 133

<212> DNA

<213> Homo sapiens

<400> 8989

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gtttgtgtgt	gtctctgtgt	gtgtgtctgt	gtctgtccct	gtcgggatgt	atttagtgtg	120
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<210> 8990

<211> 277

<212> DNA

<213> Homo sapiens

<400> 8990

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accagggatt	tccccatttc	tgtttgctgc	ctgaaagcag	gatgaggaag	gccaaggaga	120
gtccttgsrm	ccgtgragcg	tmagggatga	aggaaatgac	aggaggaaga	cgtgggtttk	180
vgttagtggc	tgctggcggt	ttggcccttg	gtgtttctgg	agcctccagg	gatctagggg	240
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<210> 8991

<211> 276

<212> DNA

<213> Homo sapiens

<400> 8991

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ctggccatca	ttactctttk	ctaatacatt	aatgctatac	atttttcttt	tagcagtgat	180
ttagctgtat	tccacaaatt	ccagtgttgt	gttctcattt	tcattcagtt	caatgtatat	240
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<210> 8992

<211> 149

<212> DNA

<213> Homo sapiens

<400> 8992

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tttattttatt	tgcgacaggg	tctcattgtg	tcacccaggg	tgagtgagcag	tagtgcatt	120
amagctccac	tgagcttct	ccctcccca				149

<210> 8993

<211> 202
<212> DNA
<213> Homo sapiens

<400> 8993
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gcctcagcct cccgagtagc tgggactaca ggcgcagcc accatgccag gctaattttt 120
tgtattgtta gtaagagaac agggtttcac catgatagcc aggatgatct ccattctctg 180
acctcatgat ccacccacct at 202

<210> 8994
<211> 154
<212> DNA
<213> Homo sapiens

<400> 8994
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taccacaggg ctctcctgca tgctccttgt tttctttgtg ctctggactt gctcacttgc 120
actgcttgct tcttcccaaa tcgcmgccya ccca 154

<210> 8995
<211> 202
<212> DNA
<213> Homo sapiens

<400> 8995
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cccactcaca gttcttctca aggtcaatgg tagcagggca agtcaattaa aaaaacttgt 120
cttccttatt caagattgca aaacatttta agggaaaggg ctacttattc ccatttttcc 180
catttttaat tgtcaccagc ac 202

<210> 8996
<211> 260
<212> DNA
<213> Homo sapiens

<400> 8996
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gtgcggctgg gcgtgggtgc tcacaccttt aatcccagca ctttgggagg ccgaggcagg 120
tgaatcacga rgtcmrgrag atcgagacca tcctgaccaa catggtgaaa ccccgctctct 180
actaaaaata caaaaattag ccaggcatgg tggcacgcgc ctgtaatccc aggtactcag 240
gaggctgagg caggagaatc 260

<210> 8997
<211> 280
<212> DNA
<213> Homo sapiens

<400> 8997
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cttcccgggg tcaactccgtt ctcmgtgcctc agcctcctga gtagctggga ctacaggcac 180
ctgccacaac gcttggtctaa ttttttgtat ttttggtaga gacaggggts accatgttag 240
ccaggatggt ctcaacctcc tgatctcgtg atccgccctc 280

<210> 8998
 <211> 438
 <212> DNA
 <213> Homo sapiens

<400> 8998
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 ccctggcctc nkgtwtctct ccagcacctg cctggattgg wgggtgtcatt cccattttac 180
 agacgagaga cctagggctc tgagaagccg atggcttgcc tgagaccacc cagctgagag 240
 gcagagctgg gatccgagtc taggtctctg tgactccatt ctctgtgctt ttcccaattc 300
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<210> 8999
 <211> 216
 <212> DNA
 <213> Homo sapiens

<400> 8999
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 agaatcactt gaaccagga agcaaagatt gcagtggacc gagatggcgc cactgccctc 180
 cagcataagt gacaaagtga gactctgtct ccaaaa 216

<210> 9000
 <211> 190
 <212> DNA
 <213> Homo sapiens

<400> 9000
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 cccaaaaktg ctgggattac aggtggcagc caccgtgcct ggctgggaag catttcaaag 180
 tcggctacat 190

<210> 9001
 <211> 233
 <212> DNA
 <213> Homo sapiens

<400> 9001
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 ctctctccag aaggaatcaa ttccgaatta gggcgctcc accccgcctc tccccctctt 120
 gggtggcyra atcaaaggcw accagaaaga acagagttag atgtccccag gtattgagta 180
 tatttkgga gttaacacct gggctggcaa cctccaagca acaaccagcc tta 233

<210> 9002
 <211> 310
 <212> DNA
 <213> Homo sapiens

004420 "004420" 004420

<400> 9002
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 agtgattgtc ctgcctcagc ctccaagta gctgggactg ctggcagggtg ccaccacgcc 180
 cggctaattgt tbgtgttttt agtagagatg gggtttcacc atgttggcca ggctgggtctc 240
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<210> 9003
 <211> 251
 <212> DNA
 <213> Homo sapiens

<400> 9003
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 tatttttaat agtgacgggg ttttgccatg ttggccaggc tgggtctgaa ctcccaacct 180
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<210> 9004
 <211> 297
 <212> DNA
 <213> Homo sapiens

<400> 9004
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 gaaaccccat ctgtactgaa atacaaaact ggcattgcctg tagtccaggc tacttgggag 180
 gctgaggcag gagaatcggt tgaacccggg aggcggagggt tgcagtaagc caagatcggt 240
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<210> 9005
 <211> 314
 <212> DNA
 <213> Homo sapiens

<400> 9005
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 tggcttactg caacctccac ctctgggtt caagcaattc tctgcctca gcctcccaag 180
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 cctcggcctc ccaa 314

<210> 9006
 <211> 202
 <212> DNA
 <213> Homo sapiens

<400> 9006
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 accgcctcgc gcctcccaaa gtgctgggat tataggcgtg agcyactgtg cccgaccaca 180

gctgttttct tctaccctac ca

202

<210> 9007

<211> 271

<212> DNA

<213> Homo sapiens

<400> 9007

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tcgcctccc	gggttcaggc	aattatcctg	cctcagcctc	ccaagtagca	gggattacag	180
gcctatgcta	ccacacctgg	ctaattttgt	atcttttagta	gagasagggt	ttctccatgt	240
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<210> 9008

<211> 286

<212> DNA

<213> Homo sapiens

<400> 9008

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tacagctttt	atcttcaaat	ctactttgat	agaactatgg	ctgctcctgc	tcactttcca	180
ttttcatgga	gtatgtrttt	ccatcccttc	kctttcagta	tatatgagtc	ttctgagggtg	240
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<210> 9009

<211> 152

<212> DNA

<213> Homo sapiens

<400> 9009

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gtttcactct	tgttgcccag	gcaggggttg	ca			152

<210> 9010

<211> 443

<212> DNA

<213> Homo sapiens

<400> 9010

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gggcccgggs	cagtttgacc	ttcaacgtgg	aggccgtggg	cattgggaaa	ggggatgctt	180
tgccccacc	caccctgcag	ccttctccac	tcttccctcc	cttggagtgc	cgcccagtag	240
cttngccctc	aggcgaggaa	ggggaatatg	tcctggcact	gaagcaagag	ctacgaggag	300
ccatgagncw	gctcccctac	ttcatccggc	cagctgtccc	caagagagat	gtggagcggt	360
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<210> 9011

<211> 414

<212> DNA

<213> Homo sapiens

<400> 9011

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cctgctgacc	ctctggtkgg	gcagcatcgc	cacacagtac	atgaccaaca	gagcagagca	180
tgaccggatg	gccagacagt	ggaccaagcg	gtacgccaca	taggggcctg	ctgcctgccg	240
ccccgcggga	cctgtgcaag	cacattcacc	aagtgcacgc	gtagccctgc	ccaccctcc	300
agacctcggt	tcttattttc	ctatttttat	taaatttgga	accatnttgt	gatggtatgt	360
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<210> 9012

<211> 194

<212> DNA

<213> Homo sapiens

<400> 9012

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ttgccagcac	gtcccccttn	cctagatccc	tgtcttcttc	tagtgcagtt	tttaattcat	180
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<210> 9013

<211> 234

<212> DNA

<213> Homo sapiens

<400> 9013

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gttcaactac	ttgtttctcg	tcttacactc	acacctcact	ttgtttctac	actcgttcac	180
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<210> 9014

<211> 294

<212> DNA

<213> Homo sapiens

<400> 9014

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cccaccccag	cttcccaagt	agctgggact	acaggtgcgt	gctgcmacac	ctggctaatt	180
tttgwatttt	tagtagagat	gggggtttcac	actgttgctt	aggctggyct	tgaactcctg	240
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<210> 9015

<211> 229

<212> DNA

<213> Homo sapiens

<400> 9015

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ccagtattta	tctcaggttt	ttttcagttt	aacatctatg	ttcatcctgc	tatcatattg	120
ctgtttgtgta	gtcataaact	ttaggaattg	ttccagcagg	atagcttacc	agcttacctg	180

caacacgctt ctgtttcttt cttacctttg tagtttttga gacacaggg 229

<210> 9016

<211> 147

<212> DNA

<213> Homo sapiens

<400> 9016

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<210> 9017

<211> 246

<212> DNA

<213> Homo sapiens

<400> 9017

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ccagggtagg	agatacttct	ccgggctctc	amyttatggg	ggctttcctg	ctggctacat	120
cactgaaatg	gaatctccta	gtggcccttc	tccctctaca	gctctggtgt	tacactgaaa	180
aactagaagt	ttcaaaacag	acaagggaaa	aagagaaaca	tcagaaagtc	tgattaaagc	240
agaagc						246

<210> 9018

<211> 163

<212> DNA

<213> Homo sapiens

<400> 9018

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tccttgatct	atgtgattat	gtgactaggt	acctggaagt	tgaccttgac	actgctttct	120
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<210> 9019

<211> 252

<212> DNA

<213> Homo sapiens

<400> 9019

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gaacacacac	gaagctggrw	cctgrwtars	ctggscyttg	gkggcccagtw	agtgtgaga	180
gtttacagcc	aggattctaa	gtgaaaacct	aaaagctgat	agcttcctta	tcactatcat	240
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<210> 9020

<211> 285

<212> DNA

<213> Homo sapiens

<400> 9020

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caccactcac	cagccgtgtg	acccttcact	tctctgagca	gtgtgcttat	ttgcaaactg	180
gggatcatca	tgggtgctcat	cgcttacagg	attttaatga	taatgaaatg	aatccgtagt	240
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<210> 9021
 <211> 195
 <212> DNA
 <213> Homo sapiens

<400> 9021						
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ttactcaaaa	cattttttga	gccacttaac	aaaccagtaa	gaaaattgat	cttattacct	120
tatagttatt	ctatgaggac	agtgtctgaaa	acagtgtatt	tgatacatta	ctaaggattg	180
gaaatttggg	agtaa					195

<210> 9022
 <211> 308
 <212> DNA
 <213> Homo sapiens

<400> 9022						
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gttattkgts	ctaggtgtta	gctttctggg	tgtacggagc	agctctaagc	cggcaacatg	180
gccccggttg	ccttgcgatc	aaagagaaga	gggctgggcg	ctccatgatt	dagcctgang	240
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caccctgc						308

<210> 9023
 <211> 259
 <212> DNA
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aggggtgtatt	ggaggctgac	acttaatggg	tgtgtgttgc	gcccagaact	gctcgggtgc	120
ggggktcwaa	agraatgcgc	tgntgttctt	ggcttcaagt	ttctgctttg	gagaagcaga	180
ttcaggaagt	aggtgttgct	taaaaataat	tcttggtttt	tatctaataca	gatattcatt	240
gattacctac	caggtgcgt					259

<210> 9024
 <211> 166
 <212> DNA
 <213> Homo sapiens

<400> 9024						
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cctgacctca	agtgattcac	ccaccttagc	ctcccaaagt	gctgggatta	caggtgtgtg	120
ctattgcacc	tggcctaacc	aagctgattt	taatttcagt	tataat		166

<210> 9025
 <211> 246
 <212> DNA
 <213> Homo sapiens

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<400> 9025
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 aacsaaactc cagcctgggt gacagagtga gactccatct caaaaacaaa ataaaaacag 180
 tttggagggg tcagtgccca agccctcctg cgcacgcacc ctctgcctgg cccctgccta 240
 cagcgc 246

<210> 9026
 <211> 347
 <212> DNA
 <213> Homo sapiens

<400> 9026
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<210> 9027
 <211> 133
 <212> DNA
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<400> 9027
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 ggatgcggac gct 133

<210> 9028
 <211> 345
 <212> DNA
 <213> Homo sapiens

<400> 9028
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 gtgggctctc cttttaatgt cttgtttctt tgtttctttt tttttgggac ggagtcttgc 180
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<210> 9029
 <211> 195
 <212> DNA
 <213> Homo sapiens

<400> 9029
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 ccgggttcaa gccattctcc tgccctcagcc tccggagtag atgggattac aggcattgcac 180
 caccacaccc ggacc 195

<210> 9030
 <211> 283
 <212> DNA
 <213> Homo sapiens

<400> 9030
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<210> 9031
 <211> 365
 <212> DNA
 <213> Homo sapiens

<400> 9031
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<210> 9032
 <211> 313
 <212> DNA
 <213> Homo sapiens

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 aaattccaga ttaatcaacg catggttgta gaagtacacg aagtaaaaac cagmcacagt 240
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 gaaaggcct gca 313

<210> 9033
 <211> 171
 <212> DNA
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<400> 9033
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<210> 9034
 <211> 189
 <212> DNA
 <213> Homo sapiens

<400> 9034

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agcgctgcc	accatgcctg	gctaattttt	ttatttttag	tagagacgga	gtttcaccat	180
gttggccat						189

<210> 9035

<211> 303

<212> DNA

<213> Homo sapiens

<400> 9035

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tgtgcccggc	tacataagca	tttttaagct	cagtaagccc	caaactaagc	tcaccttccc	240
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<210> 9036

<211> 267

<212> DNA

<213> Homo sapiens

<400> 9036

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tcgcccaggc	tggagtgcag	tgggtgcgac	acggctcact	gcaagctcca	cctcccaggt	180
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<210> 9037

<211> 257

<212> DNA

<213> Homo sapiens

<400> 9037

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ttgtttctct	tgtttatccc	atcctttttg	ataaaatcca	tcgcatgtgt	cttctttttt	180
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<210> 9038

<211> 223

<212> DNA

<213> Homo sapiens

<400> 9038

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tccccttggg	gagaaaactg	gcttcatacc	cttgccctaca	cagtcctctgt	acagggttcc	180
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<210> 9039

<211> 153

<212> DNA

<213> Homo sapiens

<400> 9039

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ctgctccaga cgaagggaga cgggatcccc ccg	153

<210> 9040

<211> 278

<212> DNA

<213> Homo sapiens

<400> 9040

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ttttcttttt tgagatggag ttctgcacac tctgtcaccc aggctgcagt gaagtggcag	180
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<210> 9041

<211> 222

<212> DNA

<213> Homo sapiens

<400> 9041

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atccttgtca gcacgggatg acatcagctt tttaaatctt accaacttat tgggaaaaaa	120
aaaaatgata cgtcctgttt gtgaattgag catttttttc acctatgtac tagccattta	180
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<210> 9042

<211> 167

<212> DNA

<213> Homo sapiens

<400> 9042

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actacgtgcc ttgtccaggt cgcgtttttt tgttttgttt tgtttgtttt tttcctcctg	120
gtcttgctct ttgtaaagcc ttagaacagt cgtaaacaac ccagtc	167

<210> 9043

<211> 154

<212> DNA

<213> Homo sapiens

<400> 9043

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ctcctgacct caggttatcc acccaccttg gcct	154

<210> 9044
 <211> 331
 <212> DNA
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<400> 9044
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 tggccactat gttttcaaat atttttcttc tctctctacc ttctcatctt tgggggtctct 120
 tactacacat atataaagct aactgaaatt gtcccacagc tcactaatgt cccacagctc 180
 cattcatttt tcttggtktt ttgtgtgtgt gtgtgtgtgt ktcagtttgc atagtttcta 240
 ttgttatgcc ttcaagtkct ckaatcatct ctkttgcaat gtttaaatcta ccatkaattc 300
 tatccagtgt atttgtcacc tcagacattg t 331

<210> 9045
 <211> 186
 <212> DNA
 <213> Homo sapiens

<400> 9045
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 tttgctctta tcaggctgga gtgaagtggc gtgatctcag ctactgcaa cctccccccc 180
 tccacg 186

<210> 9046
 <211> 147
 <212> DNA
 <213> Homo sapiens

<400> 9046
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 ctcttctaaa cctgataacc tccccag 147

<210> 9047
 <211> 155
 <212> DNA
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<400> 9047
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 gcgtgagcca ccgcgcccag cctctctctc tctct 155

<210> 9048
 <211> 202
 <212> DNA
 <213> Homo sapiens

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 tttgtctgag gccaggagtt caagaccagc ctggacaaca gagcgagacc ctgtttctta 180
 raaaaaaaaa attagctgga ag 202

09513699-03400

<210> 9049
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 <212> DNA
 <213> Homo sapiens

<400> 9049
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 acccttatgt atagtactcc cctttctcct tgccttttcc tcttccttac cttgcttctt 180
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<210> 9050
 <211> 415
 <212> DNA
 <213> Homo sapiens

<400> 9050
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 gcccgagtac agtttatacc atctccatgt gaaaaattta ctttagctct gtatgatggc 180
 taggactcat tgtgaaagaa gtattaatgt taaattccat ctgctatggg cctgagattg 240
 atgtgtatgt attggttagct tattcttttt ttgtttgttt ttattatta ttattattac 300
 atttacttca gtcacacca ggccttattc ttaacttgct gatatgtgta gagaaatata 360
 aattgctctt agaagttgac ttacagcatt actttttatt ttaaacttaa gtaat 415

<210> 9051
 <211> 370
 <212> DNA
 <213> Homo sapiens

<400> 9051
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 acatatatttc tgaaattgtg aagggtattgc atgtctatct tcttgccctac tctaaatata 180
 tcaatcgttt tcttggaag ttagtctttc tttcacactt gtctgtagat ctttacatgt 240
 tctttcagtt ttggaagtcc tctgcatatt taatatttgt tagtatttgt aaagggtttc 300
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<210> 9052
 <211> 207
 <212> DNA
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<400> 9052
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 ttttgccac ttccgttgtt tcttctagca tcgatactcc tggagtcac agacgtgtct 180
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<210> 9053
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<212> DNA

<213> Homo sapiens

<400> 9053

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acgggggaga	agcgagcgga	catccagctg	aacagcttcg	gtttctacac	caatggctct	180
ctggaggtgg	agttgagcgt	cctgcggctg	ggcctccggg	aggcagaaga	gaagtccttg	240
ctggcgggg						249

<210> 9054

<211> 285

<212> DNA

<213> Homo sapiens

<400> 9054

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ttcgtaattt	tatattttaa	tttgtgtttt	acaactgaag	tctgatggaa	cactggagta	180
tgcttagggg	gctgggagtg	tcaccacag	ctcatccctc	tcctcattcc	ccctsscctc	240
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<210> 9055

<211> 166

<212> DNA

<213> Homo sapiens

<400> 9055

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caagcagtct	accactttg	acttcccaa	gtgctgggat	tacaagcatg	agccgctgtg	120
cctggccccc	acacttttta	aaagtaaact	ttttactgaa	gaacaa		166

<210> 9056

<211> 230

<212> DNA

<213> Homo sapiens

<400> 9056

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cacaaccata	cccagcta	atttccattt	ttttttttt	tararatggg	ggtcyccctg	180
tgttgccag	gctggtctcg	aactcctgga	cccaagtgat	ccccctmat		230

<210> 9057

<211> 311

<212> DNA

<213> Homo sapiens

<400> 9057

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tagtagagac	cgggtatcac	catgctggcc	aggctgggtc	caaattccta	acctcagggtg	180
atccaccgcg	ctcggcctcc	caaagtgtctg	ggattacagg	tttgagccac	cgtgcccagc	240
ccggtgtatt	gtattattag	tggagacagt	ttctccatgt	tggccaggct	gggtctcaaac	300

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311

<210> 9058

<211> 217

<212> DNA

<213> Homo sapiens

<400> 9058

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tttgcccttt	tgattcaagc	cattctgttg	tgtgcaaagc	ggcatctcat	tgtgggtttta	180
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<210> 9059

<211> 191

<212> DNA

<213> Homo sapiens

<400> 9059

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gcaggcgaa	cgaactgcga	ggcgctactt	ggactggagg	aaaaggaggc	tgcaggacaa	120
gctggcggg	acgcagaaga	agctggacct	ggcctgagac	tctgcgcctt	ccgccccatt	180
ctgtccccct	a					191

<210> 9060

<211> 312

<212> DNA

<213> Homo sapiens

<400> 9060

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gttaattgta	gtatgttccg	aggatccaac	ctctgcagca	cttttgctca	gtttcttgac	120
ctgcataaat	tccaagaaa	attaacaaaa	agtttggtat	ggctctgaact	atgtccttcc	180
caagttgata	ggttgaaatc	ctaacccccca	gtatctcaga	atgtgactgt	attttgagat	240
agggtatttg	aggaggtaat	aaagggttaag	tgaagtcatt	agtgtgggac	tggtgtcctt	300
ataagaagag	ga					312

<210> 9061

<211> 368

<212> DNA

<213> Homo sapiens

<400> 9061

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ggccgccccat	tgtgtccttg	cccaggaccc	cgagaaccag	gcgctggcga	ggttttactg	120
ctacactgag	aggaccattg	cgaasggctc	gtcttgccgc	gagatccctc	ggtgaagagg	180
actctctgtc	gaggetgtct	ttccctctct	gtcccgggcc	tcacctgcac	ccagcgccag	240
agacgtgca	ggggacagcg	ctggaccgta	cagacctgcc	taacatgcca	gcgcagcaac	300
gcttctctcaa	tgatcccggg	catttactct	gggganacag	gcctgaggcc	agctcgggag	360
caagcagt						368

<210> 9062

<211> 234

<212> DNA

<213> Homo sapiens

<400> 9062

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agtcttgctc	tgtcacccag	gctggagtgc	agtggcatga	tatcggtcca	ctgcaacctc	120
cgactcccgg	gttcaagtga	ttcttggtgc	tcagcctccc	aagtagctgg	gataacaggt	180
atgtcgccac	catgcctggc	taatatttgt	atttttaata	gagacagggg	ccag	234

<210> 9063

<211> 176

<212> DNA

<213> Homo sapiens

<400> 9063

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<210> 9064

<211> 194

<212> DNA

<213> Homo sapiens

<400> 9064

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ttgagaccag	cctgggcaac	atggtgagac	cgtgtctctg	tattttttaa	aaattaagar	180
aaaaaagttg	gggc					194

<210> 9065

<211> 351

<212> DNA

<213> Homo sapiens

<400> 9065

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acggcagcag	cctcttacct	gctgtccccg	tctctctcca	acatgcagcc	acagggaccc	180
atgaacacct	gtcactttgg	agccctcttt	ccctcagagg	ggtctgcctg	ctgcacctca	240
ctccaggtag	aagccaaggc	tctcagcatg	gccacaaggg	ctatgtgaac	ctgccccatca	300
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<210> 9066

<211> 190

<212> DNA

<213> Homo sapiens

<400> 9066

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gggtacatgt	gcacaatgtg	caggtttgtt	acatatgtat	acatgtgcca	tgttgggtgtg	120
ctggacccat	caacttgtca	tttaacatta	ggtatatctc	ctaattgctat	ccctcccccc	180
tccccccaat						190

<210> 9067

<211> 359

<212> DNA

<213> Homo sapiens

<400> 9067

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taaaactttac	atgcctgatg	gcaccttact	ccagcagcct	ccaggtgctt	tcattttcac	180
ttccagtcta	agccagtggc	tcctgccact	gccctcccat	tacctagatg	gcacctcctt	240
tggtgaaacc	acggccaatg	ttccttagct	gcaccaggcc	cgaagctgtt	cccatgcttg	300
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<210> 9068

<211> 275

<212> DNA

<213> Homo sapiens

<400> 9068

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atctcggtc	actgcaagct	ctgcctcctg	ggttcatgcc	attctgcctc	agcctccaga	120
gtagctggga	ctacaggcgc	ctgccaccat	gcccggttaa	tttttttgta	tttttagtcg	180
agacgggggt	tcacagtgtg	agccaggatg	gtctcgatct	cctgacctcg	tgatctgccc	240
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<210> 9069

<211> 175

<212> DNA

<213> Homo sapiens

<400> 9069

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cttaccagga	ccacagctct	gttccttcgg	cctctggtcc	tctctggtcc	cctcctgggt	120
ttcttacgta	gttgattttt	cctcttttagt	ctccccgcac	ctgcgccag	ccctt	175

<210> 9070

<211> 259

<212> DNA

<213> Homo sapiens

<400> 9070

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tgaagttgct	tatcagctta	aggagatttt	gggctgagac	aatgggggtt	tctagatara	180
cartcatgtc	gtctgcaaac	agggacaatt	tgacttcctc	ttttccta	tgarkaccct	240
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<210> 9071

<211> 245

<212> DNA

<213> Homo sapiens

<400> 9071

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cagcttcagt	ttcctttgcg	aactgtgatt	acttttaata	gctcgattcc	aattcctgag	180
aagacaaatt	tactaggcct	gttgtatccc	agtttagtta	agatatttat	ataccacag	240
caacc						245

<210> 9072
 <211> 393
 <212> DNA
 <213> Homo sapiens

<400> 9072						
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ctcaacaacc	ccttkaacct	cacccccccc	ctg			393

<210> 9073
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 9073						
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ttttctttct	ctttccatca	ttttttaaaa	tatgtdagts	catatataac	ctttcattta	180
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ac						242

<210> 9074
 <211> 289
 <212> DNA
 <213> Homo sapiens

<400> 9074						
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cgtctgccac	cacgcccggg	taattttttt	gtatttttag	tcgagacggg	gtttcgccat	180
gttggccagg	ctgggtctcg	actcctgacc	tcaggtgatc	cgcccgcctc	ggcctcctaa	240
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<210> 9075
 <211> 401
 <212> DNA
 <213> Homo sapiens

<400> 9075						
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attcctcaat	aagcttcttg	cacacaacct	ctatctcagt	agtttctctaa	gaaacccact	360

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<210> 9076

<211> 189

<212> DNA

<213> Homo sapiens

<400> 9076

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aagtgataaa	attccttctc	aggattggct	ggcagagtga	caaagctctt	ctggaatgag	180
cactaaggg						189

<210> 9077

<211> 136

<212> DNA

<213> Homo sapiens

<400> 9077

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acaggtatta	aatatatcgc	tctatataat	attatatatg	tgtgtggtat	ccaaggaatc	120
acttttatga	gggcac					136

<210> 9078

<211> 132

<212> DNA

<213> Homo sapiens

<400> 9078

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<210> 9079

<211> 186

<212> DNA

<213> Homo sapiens

<400> 9079

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tatcgactgg	cttgaaattc	ttgctgccag	cacagcagtc	tgaagtcaac	ctgggatgct	120
ggagcttggg	gaggggaggg	gcattctgcca	ttactgaggc	ttgagtagga	ggttttcccc	180
tcacat						186

<210> 9080

<211> 255

<212> DNA

<213> Homo sapiens

<400> 9080

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aatccatgc	atctcagagg	ctcccacaca	tatcctagct	gtccctcctc	agaactccgt	180
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agcctgggcc cccct

255

<210> 9081

<211> 448

<212> DNA

<213> Homo sapiens

<400> 9081

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gtatgatgct	tcttcattct	ggaattttct	aaatgcatcc	ttcccttcta	tccagtwctt	240
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tttctcatat	atgcatgttc	taggaaacta	tcttggagag	gatgagggtg	agaaagagag	360
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<210> 9082

<211> 206

<212> DNA

<213> Homo sapiens

<400> 9082

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cgtctgaaac	tactggacc	gctcctagaa	aggcgammag	atattcagga	gcccttccat	180
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<210> 9083

<211> 209

<212> DNA

<213> Homo sapiens

<400> 9083

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cgcgcgtgtg	tgtgnaagg	gtgtgtgtgt	kttgggggtt	tgccggggcg	cggagaggag	180
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<210> 9084

<211> 322

<212> DNA

<213> Homo sapiens

<400> 9084

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tacatttgta	aatagtctctg	tgaaagggaa	atatcttggg	cccccaaat	cactaagcta	240
aagggaaaag	tcccactggg	aactgcttag	aggaaacctc	cctcccatc	tattcaaagt	300
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<210> 9085

<211> 135

<212> DNA

<213> Homo sapiens

<400> 9085

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<210> 9086

<211> 255

<212> DNA

<213> Homo sapiens

<400> 9086

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agtccaccct	catccacaaa	atctgttgca	ccaagctccg	ccattcctcc	tattaccagc	180
ccccttaggg	taccaatagt	gtgaaatact	aacaatgctg	tctgcgccct	ctccttcctc	240
cagtggctcc	ctcac					255

<210> 9087

<211> 445

<212> DNA

<213> Homo sapiens

<400> 9087

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gcctgcccc	cagccctcc	agctcgaata	atggagaact	gtcaatgcac	tcgcgagcg	300
gtggccatt	gtacgcagct	gatggcgagg	aggcgactgg	gggtagcagg	ggctccttgc	360
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<210> 9088

<211> 392

<212> DNA

<213> Homo sapiens

<400> 9088

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tgaacatgta	gaccaaagca	ttcctgcatg	ccaggaaaat	ggtgcatttg	aatgtttttg	180
cttctcatga	gaaaggcaat	ttaagttgca	aggcaaaggc	aaacttttga	agatggccac	240
gtggactctg	gacctttctc	tctttgttca	tgatttgttc	tccttccagt	ggttttgctc	300
cttgccaagc	attaggtacc	cttgggggtg	gatgccactt	ttccactta	gccttgggca	360
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<210> 9089

<211> 315

<212> DNA

<213> Homo sapiens

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 tcactttaaa aaggctttct gactttctgt aatcccatth gtccatgttt gttttgggtg 180
 tctgtgcttc tgcggcatta tttaaggaat ttttgccaa accaatgccc taaagagttt 240
 ccccaatgct ttcttgtaaa agtttgvhgg tttgaggcat taggtttaag tctttaattc 300
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<210> 9090
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 <212> DNA
 <213> Homo sapiens

<400> 9090
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<210> 9091
 <211> 221
 <212> DNA
 <213> Homo sapiens

<400> 9091
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 aggttttcgg ctgagctggg ggtcagtgcc cctgcgccac c 221

<210> 9092
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 <212> DNA
 <213> Homo sapiens

<400> 9092
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 tcattttgct ctttaaaaaa attgcatgga ctgaaagcag ggctgctact gcagttggat 180
 ttgaggaaat ggtgtagttg caggagcttg tacccttttg aaggctgcca acaattatct 240
 gtgggtcatg tgaaatgagt tttatgtcaa cagagttgaa gctgttttct ctgagtggtt 300
 aactactttt gcctggttaa ataagcaaac aaaagtgaag tagggaaaag agcagagttt 360
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<210> 9093
 <211> 208
 <212> DNA
 <213> Homo sapiens

<400> 9093
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 ttctggccat atggaatttt gttcagttct tcaaaggcgc ctattctcct ttgtcacttc 180
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<210> 9094

<211> 169

<212> DNA

<213> Homo sapiens

<400> 9094

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tcccacctgg	tccctcccac	aacaagtgga	gattatggga	accacatttc	aagaagagac	120
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<210> 9095

<211> 449

<212> DNA

<213> Homo sapiens

<400> 9095

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gtgctaggaa	actaagacac	tgttcataaa	tgtaactaac	aacttttgga	actgcaaaaa	180
ttccaattga	gatcatttgg	gagcaatccc	agaaagtaag	cagataacta	attatttgta	240
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aagtctagca	ttggcggtgc	ccatmmatgc	ctcatgcaag	gtgaggaagg	cttgctcacc	360
agattcaagt	gctacagttt	tcttggcang	gctgtccctt	ccatgggtgg	ggggcctccg	420
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<210> 9096

<211> 389

<212> DNA

<213> Homo sapiens

<400> 9096

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gactccgcat	ctagaaagtc	tttctttcct	ttcctctttt	cgctcttact	tcgtcgatct	120
tttccccctt	gccctctcac	gagggcctcc	tgctttcctt	cgggtgttct	ctacccctcg	180
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cccggttcct	ctttctccat	tttgtgtcac	agggcgcttg	cttcttggtc	cctttcaggg	300
cgcgcactcc	cccgccrrc	tcacttttath	htgtgtgtrg	gtggcggsa	gggagggggt	360
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<210> 9097

<211> 392

<212> DNA

<213> Homo sapiens

<400> 9097

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ctgggacctt	gtatgtcttc	tttagagaaa	tgtttgttca	gatcctttgc	ccatttcttt	180
tctttttcct	atttcttgtc	tattgttttt	ctttttcctt	tttttttagt	tttaattaat	240
tttaagttcc	aggatacata	cgcaggatgt	gcaggtttgt	tacataggta	aacatgtgcc	300
atgggtggttt	actgcaccca	gcaaccatc	acctagggtat	taagccccas	atgcattagc	360
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<210> 9098

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<212> DNA
<213> Homo sapiens
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<210> 9100
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<210> 9102
<211> 241
<212> DNA
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 gtctccaggc tcttagactc tctgtccttg aatccacct ccaaaaggac tgggagcccc 180
 agcaggacag gactggaacc atcgtgggtca ctgttgtgtc tctgcacca cccaacacca 240
 c 241

<210> 9103
 <211> 343
 <212> DNA
 <213> Homo sapiens

<400> 9103
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 aagtggaatg agcctggatc aggagaagta tgctgagcta gagttgaagg aagcttctct 180
 ttctaacaag agaaagcaga gttaaattat ggcagagaca agtctgttag aggctggggc 240
 ctctgcagcc tctacagctg cggcttttga gaacttacag gtggaggcga gctgctctgt 300
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<210> 9104
 <211> 482
 <212> DNA
 <213> Homo sapiens

<400> 9104
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 aatttacaaa tattttctcc cattgtgtgg attttctctt cactttgttt cttgtttcct 120
 tcaactttaaa aaggctttct gactttctgt aatcccatct gtccatgkt gktttggttg 180
 tctgtgcttc tgccgcatc ttttaaggaat ttttgccaa accaatgccc taaagagttt 240
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<210> 9105
 <211> 157
 <212> DNA
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<400> 9105
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 aataaaattt ataatttctt aatttaatga tgctatc 157

<210> 9106
 <211> 372
 <212> DNA
 <213> Homo sapiens

<400> 9106
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ctactcta	gatagtat	ctgctgca	tacttctga	gttcaagat	gcctgtsag	120
kcttgagt	cgagttcag	aacaaga	tgaaatcact	gtgctaaag	cggctttgg	180
tgatgttt	aggcgcttg	caatctct	agatcatgt	gcctcagt	aaaaatcag	240
ctcaagtaa	ggccaacca	gccctcgag	agttattccc	atgtcctgt	taaccaatg	300
aagtgggt	aacagaaa	caagtcata	cagtgtgtc	tcaattgc	gawaagaa	360
tctttcat	gc					372

<210> 9107
 <211> 371
 <212> DNA
 <213> Homo sapiens

<400> 9107						
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taaacaaga	gcctggctt	taaagaaa	agcctctaa	tagctcatt	attataat	180
tttgggttc	agtcctctt	gagatgttc	aacataat	ctatgaaa	atctgcag	240
cggcttcac	caggaggtc	ggtgggttg	agagcgtgc	ttacttctg	gccaaccag	300
ttttctttt	cctatcgcc	ttcagggtt	ccagggtga	gagcctctg	cacctctct	360
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<210> 9108
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 <212> DNA
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cattagyt	cttctgcc	gcttttga	caccttctc	ccaaaatgt	gcctctcata	180
ttatcca	act	tgccccact				200

<210> 9109
 <211> 255
 <212> DNA
 <213> Homo sapiens

<400> 9109						
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ttcaagca	tctttgcct	agcctcct	gtagctgga	ttacaggcg	ctgccacc	120
gcccggcta	ttttttgat	ttttagtga	ggacaggga	tcaccatct	ggccaggct	180
gtcttga	act	cctgacctg	tgatcaccg	ccttggcct	ccaaagtgt	240
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<210> 9110
 <211> 378
 <212> DNA
 <213> Homo sapiens

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cgtttctt	ca	cagccagt	ac	agagtggag	tgaggttgg	180
agatagata	aa	ttttatccc	a	tgcagaagg	cttgggtgt	240

cattagaggg ttttaagcaa gggcagggat gtacacagag ttgctttttt tttttwaatt 300
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<210> 9111
 <211> 321
 <212> DNA
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<400> 9111
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 taccctaaag catttcccta aaggaagacg ggaaagaaag gagagagaaa tcctaraaac 240
 aggactacta tatgttgact gggatgggtan nggatawmtg aggttaaactc agtttctactg 300
 ttttgatta attgcattag a 321

<210> 9112
 <211> 177
 <212> DNA
 <213> Homo sapiens

<400> 9112
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<210> 9113
 <211> 163
 <212> DNA
 <213> Homo sapiens

<400> 9113
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 gtgcagagta ctgctaatac atttggaat ggctgatttg gct 163

<210> 9114
 <211> 211
 <212> DNA
 <213> Homo sapiens

<400> 9114
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 tttattcttt cagggctggt gacagttcta ggattaagct cagtttatta accaaggagg 180
 aagaaacccc ttctgcctac tacagatccc t 211

<210> 9115
 <211> 133
 <212> DNA
 <213> Homo sapiens

<400> 9115

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 atccaccctc ctt 133

<210> 9116
 <211> 323
 <212> DNA
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<400> 9116
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<210> 9117
 <211> 412
 <212> DNA
 <213> Homo sapiens

<400> 9117
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 aaggttaagaa atgcaaat tggcctaatat acgatgttg cgggggcagc actgggtcac 240
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 gaaggcgact ggacaccagc acccttgcct gctgccttg ggctcttcct ctaaggccaa 360
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<210> 9118
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 9118
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 cctcccaaaa tgagttcgg gatgatagca gtaataatga gacccccggg ctccagctct 180
 gggcccccca ttcaggccga gggggctgct cggggggcc gacttggtgc acgtttggat 240
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 ataaacaaca acttgggatg atcctttcct tccatttt 338

<210> 9119
 <211> 269
 <212> DNA
 <213> Homo sapiens

<400> 9119
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 ccattaataa cttcatcacc aagcaat tttt accttcttgg agctgaaatg tcaagcatca 180
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aaaaaaacca ccccccaaca attattgaa

269

<210> 9120

<211> 300

<212> DNA

<213> Homo sapiens

<400> 9120

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cccggcacag	agctgctcca	caggcaccat	gaggatcatg	ctgctattca	cagccatcct	180
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<210> 9121

<211> 172

<212> DNA

<213> Homo sapiens

<400> 9121

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ggattgggag	gtttgtctac	agattttgag	cgttcgaagt	tgacccttaa	ct	172

<210> 9122

<211> 218

<212> DNA

<213> Homo sapiens

<400> 9122

ctgtttgcca	tttccaaagt	gtcagaaaag	gagcacgttg	ttcttctaaa	cattgacagt	60
tcgctcgcat	tccctcctca	cctgcctccc	aggagtggcc	tgctctggca	tctctttcta	120
cctttcagtt	gtcttgtgta	tccagcagat	ctcggcagtt	ttcgacagtg	ttctttaaat	180
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<210> 9123

<211> 317

<212> DNA

<213> Homo sapiens

<400> 9123

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atcgaagggtg	ataacatatt	ttaaacacat	aaagtgggtc	aatgcttaga	cacgaccatt	180
aagccttagc	agtttggttc	tccggctttt	gagagcgctg	cttattcatt	tacagtgggt	240
ctgaaattgt	ttcacagtgg	cttccatgca	aattataaaa	gttgcttata	ttttatgaac	300
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<210> 9124

<211> 179

<212> DNA

<213> Homo sapiens

<400> 9124

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cggctcactg	caacctccac	ctcttgggct	caagtgatcc	tcgcacctca	gcttccccag	120
tarctgggam	tacgggmacg	maccatcaca	cctggcaaat	ttttgtattt	tgtatttttt	179

<210> 9125

<211> 152

<212> DNA

<213> Homo sapiens

<400> 9125

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tgcaagcatt	ttttcccat	ctttaagttg	tctctttact	ctggtgattg	cttgcatgtg	120
tgtgcagaag	ccttttagtt	tgacgcagcc	cc			152

<210> 9126

<211> 298

<212> DNA

<213> Homo sapiens

<400> 9126

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cccaggggat	cttcgggggc	ggatgcagct	gcctaggagt	gctggggctc	gcgcgcctcg	180
gcgggtcaaa	ctctgacccc	ttgagatcct	ttccagcccg	accccttact	ttaggggtca	240
gcctgcccc	gtaagtcctg	ttattttattg	tatttatatt	cttttttttag	ttgggtccc	298

<210> 9127

<211> 338

<212> DNA

<213> Homo sapiens

<400> 9127

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acagagccca	tcacatgtct	gctgcgtggt	cctcggtagt	gacagtctgt	tcaatagggt	180
caccatgagg	gcaggctcct	gaaacccctg	tggttaaggga	atttactaat	taggaaaagt	240
ggcattttaag	cctcaccaca	agtaagccca	tagaagttct	taaatattaa	ttaaagtaat	300
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<210> 9128

<211> 292

<212> DNA

<213> Homo sapiens

<400> 9128

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ctctttaaga	gttcttgnnc	cttccttttc	cctctttcta	ttttaacagt	tttaatttta	180
gaaccattta	cattccagta	ggtaattcac	tatgcgcttt	atatgcctta	gggcatccaa	240
ataaaaaaca	atagggtaaa	catcccaaaa	accacctttt	aaaaaaaaaa	aa	292

<210> 9129

<211> 317

<212> DNA

<213> Homo sapiens

<400> 9129

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gcttgccatt	cattttaatg	atgtcctttg	atgaacagaa	gttcttagtt	ttaggccaa	120
tatggtggct	catgcctgta	atccccggcg	tttgggaggg	cagggcagga	ggattgcttg	180
agtccaggag	tttgagacca	gcctggggcaa	cagagtgaga	ccctgtttct	gcaaaaataa	240
aataaaataa	aattagctag	gtatggtggc	atgcacctgt	gtggtcccag	ctactcgga	300
ggctggggcc	ggggcac					317

<210> 9130

<211> 131

<212> DNA

<213> Homo sapiens

<400> 9130

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tgaaccaccg	c					131

<210> 9131

<211> 141

<212> DNA

<213> Homo sapiens

<400> 9131

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tgactgtacc	ccgtagaccc	ctgtttctcc	tctgcacct	gtgtcccat	ctgcccttct	120
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<210> 9132

<211> 152

<212> DNA

<213> Homo sapiens

<400> 9132

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tccgcccacc	ttggcctctg	aaagtgtctg	gatcacaggc	gtgagccact	gcgcccagcc	120
tttaccatgt	tttaaggaga	cttttttttt	tt			152

<210> 9133

<211> 254

<212> DNA

<213> Homo sapiens

<400> 9133

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gaagctcctc	cctgaccttt	ccttcctcct	cctcctcctc	attctaggcg	gcagtggcgg	180
gcgaacgtga	gcgctgcggt	atthttgtccc	gaacggtrac	ccctcctccc	aggcaggctg	240
cggcggcgctc	gacg					254

<210> 9134

<211> 163

<212> DNA

<213> Homo sapiens

<400> 9134

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tcctatgagg	atgagcaaaa	atactactct	cttcgccttg	agttgctttc	tggatctggg	120
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<210> 9135

<211> 418

<212> DNA

<213> Homo sapiens

<400> 9135

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ggacacagtg	ttcgctccctt	ttgtcctttg	tccctccgcc	akatgaggat	gagtaagagg	180
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tcaatctaag	ctactttgta	tagtggcagg	aacagattaa	gacaatagct	cattttcgtc	360
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<210> 9136

<211> 135

<212> DNA

<213> Homo sapiens

<400> 9136

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<210> 9137

<211> 274

<212> DNA

<213> Homo sapiens

<400> 9137

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tttttttttt	atttttgaga	cagtctcgct	ctgttgcgca	ggatggagtg	cagtgggtgct	180
atctcggtc	actgcaatct	cagtctcctg	ggttcgggtg	attctccccg	ctcggcctcc	240
caagtagctg	ggattacagg	catgcgccac	gcac			274

<210> 9138

<211> 282

<212> DNA

<213> Homo sapiens

<400> 9138

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cacacataac	cagcataggg	ctgttggtat	taattgaagg	acctttatta	aatgtaatat	120
ttccatgtgt	tgtttttttt	ctccccagc	tatgggaggt	ttatggagaa	cggcgctgtc	180
tgagaacatt	tattggtaat	gcttcttttc	tctccaacat	aaatctggga	agaattttta	240

aagtaagata acatcattga caataacttt actacaccga ta

282

<210> 9139

<211> 400

<212> DNA

<213> Homo sapiens

<400> 9139

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gcaggggaag	cgtgactgtg	ctcagtggat	atgctgctga	tgaaatcact	cactgcatac	180
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caccccggtt	ggaaacaaag	tccctgagca	gtcccggtgt	accacccagc	tatgcttcag	300
atcgccgtgc	aggaaacaas	agggaccctg	ctctgaaacc	caagcgggtcc	caccgcaang	360
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<210> 9140

<211> 154

<212> DNA

<213> Homo sapiens

<400> 9140

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<210> 9141

<211> 210

<212> DNA

<213> Homo sapiens

<400> 9141

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cccagcaact	tttcttccca	agcatttcct	gcgggctttt	attaccccag	gagtgccaat	120
caaggcgtgg	aacagataaa	gctgtgtagc	aactaacgcg	tgactcttgt	gagtgtggag	180
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<210> 9142

<211> 499

<212> DNA

<213> Homo sapiens

<400> 9142

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tttattctat	agtcgtgata	atgtagtcct	ccattgtttg	gaagtgcaga	ccatggattc	180
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tggatcagag	aaagcagctc	agtgattgtt	ctcatggcca	aaaataaagc	acaagggtta	360
ccggaattga	atgagccctg	ttcagggcag	cacggggcat	ctgcacccca	gctggggcagc	420
atgatccttg	tattcaacta	tactcttctg	gcagtagttg	gtggcagcat	tcgcgtgcct	480
ctgtcacacc	atacgtaga					499

<210> 9143

<211> 282
 <212> DNA
 <213> Homo sapiens

<400> 9143
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 gccagttctg gacatcccat ataaatggaa ttatacaacc tgtggtcctt tgtgactggc 180
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 catcacaatg ttacgggatc cagtgtcacg ttacctgaac ct 282

<210> 9144
 <211> 215
 <212> DNA
 <213> Homo sapiens

<400> 9144
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 tttgatgtct ctatgtcctt cagttctgct ctgatttttag ttatttcttg cttctgcta 120
 gcttttgaat gtgtttgctc ttgcttttct ggttctttta attgtgatgt taggggtgtca 180
 atttcggatc tttcctgctt tctcttgtgg ggcaa 215

<210> 9145
 <211> 255
 <212> DNA
 <213> Homo sapiens

<400> 9145
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 tttgctgtgt aatcctgaga atggactgca agagaggaaa aactgggcgt ctgcttgga 120
 atctattgtg gaaaccaggg gtgtttcccg accagtcctt gggcgccaac tagagtatgg 180
 actgaccagg tacctggatg gagacctgag ctggagaagg agatgcgctt gggaggaaat 240
 tgcagagggcc gtcca 255

<210> 9146
 <211> 199
 <212> DNA
 <213> Homo sapiens

<400> 9146
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 taatacttgt accagttttt ggaaacttaa gtttcatttt gttttacttt attatgcaag 120
 atttgaggct ctataccagc aagtctgaca cttatacaaa cctagctgcc tggaagggat 180
 gggttttgta aacactccg 199

<210> 9147
 <211> 213
 <212> DNA
 <213> Homo sapiens

<400> 9147
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 tgcccaggct ggagcgcagt gatgtgatct cagctcactg caacctctgc ctctggggtt 120
 caagcgattc tctcacctca gcctctggag tagctgggat tacaggagtg tgctgccaca 180

00513999-02400

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213

<210> 9148

<211> 436

<212> DNA

<213> Homo sapiens

<400> 9148

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tcccatctat	cactgtcacc	tttttctgag	tcaccattgg	ctcttgtctg	gactatgata	120
ctagtcttct	cactgggtctc	ctgggtctcaa	tccttgcccc	cctacagtct	gatctccata	180
gaacaaccag	agtagtaatt	taagaatata	agctacatat	tgtcattcct	ctgcttaaaa	240
ctttctaattg	actcccatca	cacactgagg	ataagattca	aagttgtttc	cttggtttat	300
aatgtcttaa	aaattctcat	tcctttgctt	gcctggcttc	agasacactg	gtttttgtac	360
ttgccttaaa	cacactaaga	ttgtccctgc	ctcagggcct	ttgtcctcga	tgtttcctcc	420
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<210> 9149

<211> 337

<212> DNA

<213> Homo sapiens

<400> 9149

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actcctggcc	accattcaac	tccttattca	aatgctgttt	ctttttggta	tcctctcttt	180
cactggatct	tctctctcct	ttcccttttt	ctctaatact	tggatcctca	ttatagtatt	240
ttcattagtc	tactttttac	agtcacattt	ggacctggac	tcatgtaaac	agaaatgggtg	300
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<210> 9150

<211> 213

<212> DNA

<213> Homo sapiens

<400> 9150

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sgacgaaggg	ctgggcagca	tgggtggactt	cctcctggcc	aatgcccgcc	tgggtgctggg	180
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<210> 9151

<211> 397

<212> DNA

<213> Homo sapiens

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ctccaagggg	cagtgaacca	tggaggcacc	tgccttctca	ctgcagtcaa	tgcagccaca	180
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<210> 9152

<211> 150

<212> DNA

<213> Homo sapiens

<400> 9152

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ttaaagcgat	tgtcctgcat	cagcctgtta				150

<210> 9153

<211> 449

<212> DNA

<213> Homo sapiens

<400> 9153

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cttcccaa	at	tttcccttat	gtttccctt	ctgcctttct	gccttttaag	180
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aatattttaag	aaaatcccta	ggaaaactaa	gataggaaaa	acaagggtgaa	gctacaggta	360
aagttagcac	tccaatgcat	gccatagctc	cttcactttg	ataaagatgg	gcatcaaadc	420
ggcccctaag	ctaccaagca	gccatcaca				449

<210> 9154

<211> 138

<212> DNA

<213> Homo sapiens

<400> 9154

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ccgcacccac	ccccaagagg	ggccttcagc	tttggggctc	agaggcacga	cctcctgggg	120
aggggttaaaa	ggcagacg					138

<210> 9155

<211> 236

<212> DNA

<213> Homo sapiens

<400> 9155

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tgctgttaca	tgtttatcag	atgcgtgctc	tgtttctgtt	atattacatt	acttttctct	120
tcaatgttta	ctgaggaaga	acaagtagct	cctcaggcaa	atcaactgtt	aactttgcag	180
tttttattta	atctcccagg	aatgtaacct	ttaactttaa	agaatgtagt	gaccac	236

<210> 9156

<211> 213

<212> DNA

<213> Homo sapiens

<400> 9156

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agcaccacaca	gtcaacactc	actttgggaa	gctaaggggt	gcccaggtac	cactgcccag	120
tgagatcctg	gggcctgtgg	accaatacct	gggggtgccc	tacgcagctc	ccccgatcgg	180
cgagaaacgt	ttcctgcccc	ctgaaccacc	cca			213

<210> 9157
 <211> 253
 <212> DNA
 <213> Homo sapiens

<400> 9157						
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gtgggttgcc	tgtaagact	ttgccattta	tctgttgcaa	tctttatttc	ttgctgtttt	180
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<210> 9158
 <211> 413
 <212> DNA
 <213> Homo sapiens

<400> 9158						
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gatcttgagg	aattatctga	gcaccagggt	catatgtatt	cgatctcaga	ggcatctatt	180
ggacaacaaa	acactctttc	agttgtgaac	tttatttatt	tattattatt	attttttgag	240
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<210> 9159
 <211> 339
 <212> DNA
 <213> Homo sapiens

<400> 9159						
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gcttacctga	aagccaagcg	ctctagcaga	gctttaaaagt	tgagccgcc	acctctgggg	240
agcagactgg	tgctttatat	atacacacac	acagcagaag	gtacagggcc	tcaataagaa	300
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<210> 9160
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<400> 9160						
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ctctgtggag	aggcttttag	actagacagc	tttcattctg	gtcaaataaa	gacaaacctt	180
tcaaagtagg	tcttcagggt	aaccaccaga	cagatgacat	catgacagtt	aactgagaat	240
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<212> DNA

<213> Homo sapiens

<400> 9165

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<210> 9166

<211> 162

<212> DNA

<213> Homo sapiens

<400> 9166

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<210> 9167

<211> 185

<212> DNA

<213> Homo sapiens

<400> 9167

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cagaaggaat	gtaattcatg	cgcatttttt	tcatgtwaag	ttttataaga	agaccaaaca	180
gctgc						185

<210> 9168

<211> 157

<212> DNA

<213> Homo sapiens

<400> 9168

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gggcttacat	ctttctatta	attatatgtc	aaacgtcctt	agtagcgatt	ggtaggaggg	120
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<210> 9169

<211> 225

<212> DNA

<213> Homo sapiens

<400> 9169

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ttaaagcatt	ctcctgcctc	agcctcctga	gtagctgcga	ctacaggcat	gtagtcccca	180
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<210> 9170

<211> 355

<212> DNA

<213> Homo sapiens

<400> 9170
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 cccagaact ttggctccct tccccttctc tctctggtag ctccaggagg cctgtgatcc 180
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<210> 9171
 <211> 385
 <212> DNA
 <213> Homo sapiens

<400> 9171
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 aagttgccag atgtataggt cctccttgat ggcacgctcc gggggctgtc actatgccac 240
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<210> 9172
 <211> 271
 <212> DNA
 <213> Homo sapiens

<400> 9172
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 cgatgcattt tcagggcaaa tcaattctgg aagcatcctc acccaaaaaa agccacattt 180
 aacatttcatt tgccataatg aggcaggata tagggcactc agatttcagg aggggagaga 240
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<210> 9173
 <211> 160
 <212> DNA
 <213> Homo sapiens

<400> 9173
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<210> 9174
 <211> 333
 <212> DNA
 <213> Homo sapiens

<400> 9174
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ctttgagcgg	cataagctga	agaggcagga	tgcagatgcc	tggactctct	ataagatcct	240
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<210> 9175
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 <212> DNA
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tggtagagaa	cttggtagct	tgcagaggca	aatatattca	tagtagggta	agtctataag	300
tctaaccata	atcctaggat	gactctgacc	ccatcatcta	ggagaggtct	cctaggggtc	360
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<210> 9176
 <211> 183
 <212> DNA
 <213> Homo sapiens

<400> 9176						
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gctttgggtt	cgttctgcag	ccttcgcccc	gctcctagcc	tcagggccgg	actccagcgc	120
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cct						183

<210> 9177
 <211> 214
 <212> DNA
 <213> Homo sapiens

<400> 9177						
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tatatatttg	ccaattttac	tatctgtttt	tcttttaggc	ctcctgttat	tactagtttt	180
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<210> 9178
 <211> 137
 <212> DNA
 <213> Homo sapiens

<400> 9178						
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gtccccgacc	ccgcgct					137

<210> 9179
 <211> 137
 <212> DNA
 <213> Homo sapiens

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 taaaatattg taaagca 137

<210> 9180
 <211> 256
 <212> DNA
 <213> Homo sapiens

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 cactgcactg cagtctgggc gacagagcca gaccctgtct caaaaaaaca aaacaaaaca 180
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 tcattaagca agcgat 256

<210> 9181
 <211> 451
 <212> DNA
 <213> Homo sapiens

<400> 9181
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 ccstgaatac tttgtttgag ttctcgaaat gttagckbyn atttgtttkt tawdbggaca 300
 aaaaatgagt ggaggaataa tacctgttct aactacctca cagtgtgggc atagggattc 360
 aatcagwtg tggaaatgct ttctaaactt aaaaatgccg aggtataaat gaaggggatg 420
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<210> 9182
 <211> 243
 <212> DNA
 <213> Homo sapiens

<400> 9182
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 tgttgttgct cttggaaagt gttctaagtt ttaatccttc atggataatt tgtcttttct 180
 cttgggcgtt tataaagatc tctttgtcct ttgttttctg cagtcacaac atgtctaggt 240
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<210> 9183
 <211> 246
 <212> DNA
 <213> Homo sapiens

<400> 9183
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 cagacatcat ggctgtggat gtggcagaat accatctgag cgtcatcaag agccccctg 120
 gctgggaggt ggggtgtctat gctgcagggg ccctggccct gctgggaatc gcagctgtga 180

gcctgtggaa gctctggacg tcggggagct tccccagccc ctctccgttc cccaattacg 240
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<210> 9184

<211> 233

<212> DNA

<213> Homo sapiens

<400> 9184

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tttatttkta ctttttacag agatgtggcc cagcctggag tgcagtgggtg tgatcctagc 180
tcactgccac cttgacttcc tgggctcaag tgattcttct gcctcagccc tca 233

<210> 9185

<211> 432

<212> DNA

<213> Homo sapiens.

<400> 9185

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ccttccagcc cc 432

<210> 9186

<211> 181

<212> DNA

<213> Homo sapiens

<400> 9186

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tgtgtcacag tcagtctctc tcttttaggtc tgtaaatatt tgtcttttat atttgggtgc 120
tctgggtgttg actgcatata tctttataac tgtaatatcc tgttattgta ttgaccccc 180
g 181

<210> 9187

<211> 152

<212> DNA

<213> Homo sapiens

<400> 9187

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ccgtgggggg ggcggtgtca ggggcatgga cgccaccccc caggggtctc tgctgccggc 120
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<210> 9188

<211> 151

<212> DNA

<213> Homo sapiens

004220-605450

<400> 9188
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 cggccgcacc aacatggaga agccccgtcc a 151

<210> 9189
 <211> 328
 <212> DNA
 <213> Homo sapiens

<400> 9189
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 cactcttggt gccagggctg gagtgcaatg gtatgatctc ggctcactgc aacctctgcc 120
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 gggattacag gcatgattca ccgcccc 328

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 <211> 434
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 <213> Homo sapiens

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 cggaaagtga ctrccctggt tactgaggaa aaactggggc tcagaaagat accatggagt 360
 agtttgaaac aggaacaaaa tcttctgaaa gctcggagca gaagcctttt tggtaacat 420
 ggaggaaaaa agac 434

<210> 9191
 <211> 437
 <212> DNA
 <213> Homo sapiens

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 tacctcaagg cgcgcgtcats kttactatgg gaagatgaga cgttgggttg ctgtaagacc 240
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 gamaccttcc caaactt 437

<210> 9192
 <211> 215
 <212> DNA
 <213> Homo sapiens

<400> 9192
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catcgtgggc tttatcctac ttctcaagg aggcataaaa gatgattttt tccccacaa 180
caatgagctt tcttacagac atattaaacg gaaat 215

<210> 9193
<211> 295
<212> DNA
<213> Homo sapiens

<400> 9193
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gtacctggga ttgcagggtg tcgccaccac acctgactga ttttttgtat ttttggtaga 180
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<210> 9194
<211> 182
<212> DNA
<213> Homo sapiens

<400> 9194
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ctctctttcg ttttcctttt cctdncccc aaccctccgc ccttctctaa atcagccggc 120
cttccttgac ctcaagtgacc cgtctggccc cgcccacct cgtcgacgtg attcccgccg 180
aa 182

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<211> 389
<212> DNA
<213> Homo sapiens

<400> 9195
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ggttcgtctc tacctaccaa ggtcctgtgc catgaggaga tgtcgggcca gggactcaaa 240
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tcaagagctg gtagagtgt aatgttcaca ggtttttata gaacattaaa gctctgtaat 360
agttattttg tatgttatat aaataattt 389

<210> 9196
<211> 165
<212> DNA
<213> Homo sapiens

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ccctctcttc ctacccttcc tcaccacttc cctcagtcct aactcctttt cctattttcc 120
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<210> 9197

<211> 147
<212> DNA
<213> Homo sapiens

<400> 9197
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tctctccacc cgctggcttc cagtctccac cttcccgctt attccccag cagcgctcdnc 120
scgcgctcc ctcttctccc ctcccca 147

<210> 9198
<211> 343
<212> DNA
<213> Homo sapiens

<400> 9198
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agttttgcca tgttgccag gctgattttg atagcctggc ctgacgtgat tcagttgcct 300
tggattccca aagtgctggg attacaggca tgagcacagc cca 343

<210> 9199
<211> 168
<212> DNA
<213> Homo sapiens

<400> 9199
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atttatttac gtacacagga cagcaggacc tggatgtggg cagtttgaca ccagcctgtg 120
ctaccagcca tgcacaacct tgcctccctg ttaggaagga gagagagc 168

<210> 9200
<211> 398
<212> DNA
<213> Homo sapiens

<400> 9200
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ccatcttggt ckaaactgcc ccaataaagc cactaaga 398

<210> 9201
<211> 155
<212> DNA
<213> Homo sapiens

<400> 9201
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ccacacagga agccatctcc tccctcccgc ccaga 155

<210> 9202
<211> 161
<212> DNA
<213> Homo sapiens

<400> 9202
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<210> 9203
<211> 213
<212> DNA
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<210> 9204
<211> 139
<212> DNA
<213> Homo sapiens

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<210> 9205
<211> 366
<212> DNA
<213> Homo sapiens

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<210> 9206
<211> 283
<212> DNA
<213> Homo sapiens

<400> 9206
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ctcgacgcg	ctctccctga	agtttcacca	gctcctccag	cgccgcacgc	tctgccatcc	180
cggctgtcca	cttgagccgc	ctgctgtctc	gacctgcggt	ggttgcccc	gcctcagcaa	240
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<210> 9207

<211> 151

<212> DNA

<213> Homo sapiens

<400> 9207

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<210> 9208

<211> 405

<212> DNA

<213> Homo sapiens

<400> 9208

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gtataactaat	gggtggagat	ataatgtaat	taattattac	tgctttatca	aggacacttt	120
aatactggca	ttttcttttt	ttgccactgt	gagtgggtgg	aaagaatata	aggacaatat	180
tggaataaac	agtagttaca	tagtagtagt	gatgccagt	tcttgatata	tcctaagaca	240
tcagttaggt	tttaccatt	tttgcttttg	cacttgagcg	cagtgaataa	agcaagtrac	300
attttaaatgt	cataatgaaa	acatagtttg	actttatgaa	ctcttaagag	tcttggggac	360
cctcagggtc	ctgagaccat	actttgtgaa	ctagtctctt	acaga		405

<210> 9209

<211> 276

<212> DNA

<213> Homo sapiens

<400> 9209

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atatttaaat	tattcacttt	ttctttgtac	aggtttaatt	tggtttttcc	caaagcatgg	120
tatacatatc	accgatagta	tataaaatga	tttttaggta	tggtgtgagc	tgagataaac	180
aaatttgggc	atttgtaata	ggtataaaaa	tggtcattta	aactgttcct	ataagaatag	240
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<210> 9210

<211> 212

<212> DNA

<213> Homo sapiens

<400> 9210

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caaaagaaat	aggtttaatt	ggacttacag	ttccatgtgg	ctggggaagc	ctcataacca	180
tggcagaagg	cagggaggag	caagtcacgt	ct			212

<210> 9211

<211> 496

<212> DNA
<213> Homo sapiens

<400> 9211
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gacgcaggaa acaaaagcga tagaagggtcc gttcctgtcc tccgggtgctt tgatgagttc 120
aggctgaagc cgatggggga ggaggagaag ctgcaagtta acaggcaatc tgagttatct 180
ttctttatta acgctgtaga ggagtacttc agatttctcg aggctgtatt gagtctcctt 240
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tgcagcctcc ctgcctgatt ctccctgcctc agcctgctac gcctcactgg ttttcgtttt 360
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gagtgatccg cmagchtcgg cctccsgggg tgccgggatt gcggacggag ttcattcact 480
cagtgtcag tggtgc 496

<210> 9212
<211> 146
<212> DNA
<213> Homo sapiens

<400> 9212
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tggctcactg cagcctccgc ctcccggtt ggagcgattc tctgcctca gccctcccgg 120
gtagctggga gtgacagacg ccacc 146

<210> 9213
<211> 432
<212> DNA
<213> Homo sapiens

<400> 9213
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gccatctcca tccccaaag cacacttgct ctctcaatat gtccctagttt tcttcagcct 120
tttctgggtc agttcccttg tctgatctc atcctctctg gtctcccaat aactcaccct 180
tgggatgtgt ttagagcgtg ggaggtgcct ttgagaactg cttgactcca tgatctccta 240
gaacaaaacc gccctgactt tacaggggga acactcatgc tgagctgaga aagcagagaa 300
gtggcgtggg agccagctgg ggggtgaagag catttgggcc agtcccgtgg ccccttcag 360
attcctcaag caggattgtt cggttctaaa aagctgttgc acagcattcg caatgagatc 420
tttagttggc ag 432

<210> 9214
<211> 267
<212> DNA
<213> Homo sapiens

<400> 9214
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agagaaatac tgatttttta aaatgttttg taacagcagt hagattaaat atttctgctt 120
cacttagaga ttctcagatg gttgtgtcat tttatcttg gcatcaagtg aattgtgcac 180
atttacactg tgacttttgt cttgagtaat cccaaatgcc tgcattattgt tgtatgtttg 240
taatccttta ctctccctcc accccga 267

<210> 9215
<211> 168
<212> DNA

<213> Homo sapiens

<400> 9215

caatgtkttg	tttgtttgtt	tgagtcagtc	ttgctctgtc	gcccaggetg	gagtgcctgt	60
gcacgatctc	ggctcactgc	aacctctgac	tcctggattc	aagggattct	caagcctcag	120
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<210> 9216

<211> 316

<212> DNA

<213> Homo sapiens

<400> 9216

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gctacttttt	tgtattttta	gtagaggcgg	ggtttctactg	cgttasccag	gatggctca	120
atctcctgac	ctcgtgatct	gcccgcctcg	gcctcccaaa	gtgctgggat	tcaggagtg	180
agccactgcg	cccggcctga	gtttttaatg	gaatagttca	gatatacaca	aatttttggg	240
taaatcaaaa	catgtatctt	cacctttcag	cttaagaact	aaaatgacaa	atacagttaa	300
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<210> 9217

<211> 463

<212> DNA

<213> Homo sapiens

<400> 9217

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acaagtgtga	acgggcagcc	tgtctgttgc	cacagaagaa	cttgggcacc	acactgagaa	120
gccgtgtttt	ctcacctccc	tgttactgtt	gtagctgtat	ctggcttctc	tagcatttta	180
aaggaatttc	tgattgaggg	gctaacagct	aattccacag	gagttgtaag	gcagcctgtg	240
cataaactga	gacagaagtt	tctcctcaga	gactctcttt	ttattattat	tattattatt	300
attggcaaag	acttctggct	ctcctcagag	gaataccttg	vnkycttaag	atgagtggct	360
gtagaaagcg	gtgtaaactg	gaaatactga	aatttgccca	gtaccttctc	agactattaa	420
caggttctct	tcatacagac	agygtggaag	atgaactgga	gac		463

<210> 9218

<211> 171

<212> DNA

<213> Homo sapiens

<400> 9218

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agtgcagtgg	tgcaattata	gctcactgca	gcctcgagct	cctgggctca	atgagtcctc	120
ccacctcggc	gctcctaaag	cactgggatt	acatacatga	gataccacat	g	171

<210> 9219

<211> 419

<212> DNA

<213> Homo sapiens

<400> 9219

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cctcagccct	gcagaactgg	ctagagcaat	gtatcttagg	ctcacttaag	gaagctgtag	180

agatgagccc	aaggagggaa	accagaagag	ccccccaggc	tcaccagttg	tttgttggct	240
ccctacaaac	atgtcattca	agtggcta	cttacaacag	cacaaattca	tctaaccaga	300
aagagaagag	gaggctccaa	aggcacttga	ctactgagca	tcaccctgga	cgtgtacaag	360
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<210> 9220

<211> 263

<212> DNA

<213> Homo sapiens

<400> 9220

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catttatgta	agactgtttt	gttattat	acagaaatgc	tagccacaat	cctctcaatt	120
ggtttcacta	ttttatggat	tgtgatccag	agtttttagcc	tgagggcttt	cccacattct	180
ttcaagacct	ttgtgtcatg	gcagcagcct	tgaagttagg	ggaaacagggt	agatgaatcc	240
atatatggag	aattggccat	ata				263

<210> 9221

<211> 223

<212> DNA

<213> Homo sapiens

<400> 9221

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cccagctctg	tgtctgtctc	tctgtctggc	ccaggagggg	tcctcactcg	ctgaccacac	120
tgacctcagg	accaagggaa	caaaacacag	caggggcaat	ccatctggtc	cacggagaag	180
tgctaaaccc	caaagggtaa	atgagattcc	cacagaagga	gcc		223

<210> 9222

<211> 416

<212> DNA

<213> Homo sapiens

<400> 9222

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ggggctgctg	taattaccga	gcaagggtctg	agctcttctt	cagcctcagt	tccttcattg	180
gttaaaaagg	ttctttgttc	ccatccagcc	gatgaaggag	caaacgtctg	gctatgtgaa	240
gcctaattta	cctgcaggaa	ctggcaggga	tagtcactgg	ctggactcct	gtttacttct	300
agacctgggc	aggctccatc	ccctccccca	cctgcccctg	attccccctg	tcgggtgcctg	360
tcaactgctt	ttcagcagtg	gactgcaggg	gaaagagcag	tgatttgggg	tgagta	416

<210> 9223

<211> 239

<212> DNA

<213> Homo sapiens

<400> 9223

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aaagtacttt	aatgcattgt	tcacattgtt	gccagctatt	gacaaaaaaa	gagaagaaga	120
waaaagaaat	aaaaaaagca	gtatctgctc	caaacgtcaa	gttttgagct	ttgaaagact	180
tgtacattat	aattgttttt	ttcttttttg	gaaagcagta	gtaattaata	ccaaaggct	239

<210> 9224

<211> 420
 <212> DNA
 <213> Homo sapiens

<400> 9224
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 agattttggc actatattta attggaaggt aaaatattgt acatgtgatc cagagtaaata 180
 gagaagtctc tatctgagct ggtcagttac tggagtacat gttactaatc tgggtttaaa 240
 gtttacttca ttatctgcta gtgtcatcca cagcagtkca tcctcatcca cactaagcca 300
 tcctgttagc ttttaaagga agtbaattta attaacatta atatactcta tgggctccct 360
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<210> 9225
 <211> 253
 <212> DNA
 <213> Homo sapiens

<400> 9225
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 gtagctcacc atgggtttta tttgcatttc tctgataatg aatgagactt agttcttcct 120
 gtgggttgcc tgtdaagact ttgccattta tctgttgcaa tctttatttc ttgctgtktt 180
 gtaggagtdc ttttttatat kttggatatg atcccattaa tacttacatg tattacaatg 240
 ttttctccca ctc 253

<210> 9226
 <211> 218
 <212> DNA
 <213> Homo sapiens

<400> 9226
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 gatgctcacc aggcaagagt actcatagga tttgaagaag atatcctgat tgtttcagag 180
 gggaaaatgg caccttttac acatgatttc agataagc 218

<210> 9227
 <211> 169
 <212> DNA
 <213> Homo sapiens

<400> 9227
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 tttttgttgt tgttgtttta tagatatggg ggtctcacta cgttgcccag gctgggtcttt 120
 gaatctcctg aactcaagt atcctccac ctcagcctcc catccaaat 169

<210> 9228
 <211> 249
 <212> DNA
 <213> Homo sapiens

<400> 9228
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gctgccctta acattttttc cttcatttca acttttggtga atctgacaat tatgtgtctt 180
ggagttgctc ttctcgagaa gtatctttgt ggtgttctct gtatttcctg aatctgaatg 240
ttggccttc 249

<210> 9229

<211> 131

<212> DNA

<213> Homo sapiens

<400> 9229

cattttgtgc gagangccgc agcgmcgcct cttctctcgc gccctcgctt cttcctccgc 60
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ccaacccag a 131

<210> 9230

<211> 299

<212> DNA

<213> Homo sapiens

<400> 9230

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tgccgggcca caccgcatc attaaagtgg tggggcaact attgggtgcg ctcmmgcsagg 240
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<210> 9231

<211> 337

<212> DNA

<213> Homo sapiens

<400> 9231

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gtaaagttac ttggaatggt tccccctctc gtggcatgct ccaaactaga atcaggattt 180
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tgttttataa ttatgtaaac tatttacatg gttccaaagt caaatctaca gaacaaaatg 300
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<210> 9232

<211> 191

<212> DNA

<213> Homo sapiens

<400> 9232

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gamtgctct cccaacatag atctgcacgg aacgtcagg ccatgaccaa tgtctaccat 180
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<210> 9233

<211> 257

<212> DNA

<213> Homo sapiens

<400> 9233

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cggcgccccc	cctcaccgcg	ctcccggcgc	ccctcccgtc	agttcgccag	ctgccagccc	180
cgggaccttt	tcattctctt	ccttttggcc	ggaggagccg	agttcagatc	cgcvnycmcg	240
caccgagac	taacaca					257

<210> 9234

<211> 446

<212> DNA

<213> Homo sapiens

<400> 9234

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<210> 9235

<211> 254

<212> DNA

<213> Homo sapiens

<400> 9235

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gtcctcgata	cccttgagtt	ggggctacgc	aggccactcc	taggccactg	gctgggcgtc	180
cgawcgtggg	tcaccccgcg	cacagtctag	aggttcagaa	agatgctgtg	gcccaattta	240
aaacaaagcc	cccg					254

<210> 9236

<211> 237

<212> DNA

<213> Homo sapiens

<400> 9236

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cctctaaaca	ctgctttcac	tgtgtcccag	agattctggg	acattgtgtc	tttgttctca	180
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<210> 9237

<211> 345

<212> DNA

<213> Homo sapiens

<400> 9237

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gcgagattag	tttgtgtgtg	ttgtgtgtgt	tgttttgaga	cggagttttg	ctcttgctgc	120

ccaggctgga	gtgcagtggc	gcatcttgg	ctcactgcaa	cctctgcctc	ccaggttcaa	180
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ggctaatttt	tgkattttta	atagagacgg	ggtttcacca	tgttgccag	gctggtctcg	300
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<210> 9238
 <211> 490
 <212> DNA
 <213> Homo sapiens

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cctcctggaa	gggaacctcc	tgcagcctca	agcaccaggt	catgacatga	catctatccc	180
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ggctgtttcc	ttggtaacag	ccttgccctg	caggccttcg	agctgtgtct	cggtgacaga	420
tggtcctaag	tttgaagtca	actaaaaaag	aatgccaatg	gtttggattt	aaaanttcgt	480
gcagatggag						490

<210> 9239
 <211> 388
 <212> DNA
 <213> Homo sapiens

<400> 9239						
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tatggtcagc	ttcttcataa	aggaagacac	tgggttggcg	ttgacagaca	tactgacgga	180
cacatcgtgt	ttcattttct	cgtctcaatt	taaatgtaga	ccatggcttc	ttcacctcag	240
cagtattgac	atgtgggctg	gatcattgtc	tggttgggtg	cgttgtcctc	tgtgtgcatt	300
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<210> 9240
 <211> 227
 <212> DNA
 <213> Homo sapiens

<400> 9240						
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aatatggagt	aaatcggtgg	agtcgagaga	tggggtcgg	acggggcgcc	ctgcaccgcc	180
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<210> 9241
 <211> 280
 <212> DNA
 <213> Homo sapiens

<400> 9241						
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cttgcctctat	agactgtggc	tgttgtaagc	ctccttgccc	cttggggacct	cataacccac	180
atgtgttctg	tgtaggcctt	atccttatctc	ccacaacaga	agtgggggtat	ccagcaagca	240
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<210> 9242

<211> 212

<212> DNA

<213> Homo sapiens

<400> 9242

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ctcgggacca	tttggctgga	cccagagtcc	gcgtggaacc	gcgataggga	tctgtcaggg	120
cccgcggccg	ggtccagctt	ggtgggttgcg	gtagtgagag	gcctccgctg	gttgccaggc	180
ttggtctaga	ggtggagcac	agtgaaagaa	tt			212

<210> 9243

<211> 324

<212> DNA

<213> Homo sapiens

<400> 9243

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gactggagtg	cagtggcacg	atcttggtcg	actgcaacct	ccaccttctg	ggttcaagtg	180
attctcgtgc	ctsagcctct	cgagtagctg	ggattgcagg	catgcaccac	catgcccggc	240
taatttttgt	attgttagta	gagacggggg	tttgccatgt	tgcccaggct	ggtcttgaac	300
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<210> 9244

<211> 280

<212> DNA

<213> Homo sapiens

<400> 9244

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gctaattaaa	aacatttttt	tttgtagaga	tgggtgtctg	ccatcttgcc	caggctagtc	120
ttgaattcct	gggctcaagt	ggtcttcctg	ctttggcctc	ccagagttct	gggattacag	180
gtgtgagtca	ccatgccagg	ccagtaactg	gtcgaccatc	ttgaatatatt	gtttttgcca	240
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<210> 9245

<211> 314

<212> DNA

<213> Homo sapiens

<400> 9245

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agagatggga	tcttgccact	ttacctatgc	tgggtctcgaa	ctcctgagct	caagtgggtct	180
accggtctcg	gcctcccaaa	gtgctaggat	tacaggcctg	agccacccca	cccggcctgt	240
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<210> 9246

<211> 199
 <212> DNA
 <213> Homo sapiens

<400> 9246
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 aatagtggca acttttttggc acttggtttt gtattagcaa tgatgtktaa cttcttgtca 120
 tccatttata cttctccctt tattaattta ggacaatagt tataagccca tcttccttgc 180
 tagaaataaa actgagcca 199

<210> 9247
 <211> 388
 <212> DNA
 <213> Homo sapiens

<400> 9247
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 gcccgccct ggcgaagaa cttacaagag gtcttcggaa agagggtggct gctgggcmtg 180
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 ctcccgatc ttatctctct gtctctgtct tgactcctcc tgagcataaa accatggcag 300
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 tcaccttcca cccatgagaa cagcgtga 388

<210> 9248
 <211> 219
 <212> DNA
 <213> Homo sapiens

<400> 9248
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 cgagtgcac gccagctga aggatctcct acccgaaac 219

<210> 9249
 <211> 238
 <212> DNA
 <213> Homo sapiens

<400> 9249
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 ccaaggaaga ctaaaaaccc aggcgggaa gcgcgggtg agaaaagcgag gtgggtggcg 180
 agagcgtgas scncctctg ctgaccccg ggagcgtgga ctacgagttg gcgccccaa 238

<210> 9250
 <211> 446
 <212> DNA
 <213> Homo sapiens

<400> 9250
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 tggcactaga aatagttgat aatgaaatga gattttatga agtataaccgc tccacctatg 120

agcgtctgtc	tctgtgggct	tgggatgtta	acaggagcca	aaaggaggga	aagtgtgaag	180
aataaagtag	atctgagaaa	ttctgagcca	atcaggcttc	ttaattcaag	agacaaacca	240
agacgttctg	tcaactgtgc	tgtgctcttc	tttaagccaa	tgaaccccaa	ttcctggcag	300
tctacaagaa	gtctcttaat	gctaataaag	aatttaaagg	tctttttaag	gaaatgaagg	360
gctttccaaa	tagaatgatt	tactctgaag	aaacaaacaa	tggtaatctc	tgaaactcas	420
aacctaagc	ccaatcttga	aaatat				446

<210> 9251

<211> 156

<212> DNA

<213> Homo sapiens

<400> 9251

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tggaagtggg	ctggggatgg	tgtcgggggc	ccaagctccc	agctcccaaa	ggcccctgct	120
tctatgccct	ttgagctcag	gtagccccctg	cccccg			156

<210> 9252

<211> 435

<212> DNA

<213> Homo sapiens

<400> 9252

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agactggcta	agaatatgtt	ctgtgttggg	gaatattcca	tatgtatttg	aaaataatat	120
atactctgct	cttgtaggtt	tctagaaatg	tcaattacct	caaattctct	gagagtgcag	180
ctcagttctt	ctatatcctt	actggtttct	gcctacttgc	tctgtcagtt	actgagcaaa	240
aagtagcaaa	gtctgcagct	gtaatacatt	tgtttatttc	tctcattttt	gttagtattt	300
gcttcatgta	ctttgaagct	rtgttgtag	catgcataca	cataggatga	ttatggcttc	360
ttggaaaatt	gaccccttta	gcattatgta	atgttctctc	ttttcttttg	taacagtcca	420
tgttgtggag	ccaca					435

<210> 9253

<211> 284

<212> DNA

<213> Homo sapiens

<400> 9253

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taggacttat	tttaatcttg	attatctgtc	tttcagcctc	agaagattgg	ctctgttctt	180
ttctccttga	aaacatttgt	gtatttgtaa	agtacactga	aggagtatat	gctttgatat	240
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<210> 9254

<211> 351

<212> DNA

<213> Homo sapiens

<400> 9254

caaaaatata	aagtttttcc	ttctctgcaa	aatttggttc	ttcatatgag	tdtctgcaac	60
agcaagagaa	agtctaaagt	cttcttgata	gcagccgaaa	agatgtgaat	wactttgttt	120
acggagagta	aaggaaaatg	ctaaggggga	cattatgtgt	taggctgcaa	ctatggttgt	180
acagtccctc	aggcctccag	tcacttgggg	agatgaaagc	aatttaccag	aggaactctc	240

ccttgtctta taatttactg tkaaaaatag ctgctaaaag gtaagaaagt baagttcctg 300
aatagagcaa gtacttttga tttatgtkta tcattgtat aactgggaaa a 351

<210> 9255

<211> 158

<212> DNA

<213> Homo sapiens

<400> 9255

cattcgttta ttatttttagt aaggaatata ggttaatggg cacttacaca ttatatgcca 60
gtctcagtct agtgctattg aggaatgtac actcagggat cattttcaag atggaaccat 120
tttataaatg tttatgtatg ttataggatg tgggtgcta 158

<210> 9256

<211> 271

<212> DNA

<213> Homo sapiens

<400> 9256

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tttgcttttg tctcaatata ttttgatacg gggacagga attatgcctg gtcttagtat 180
tgtataacac aatgtgatat aataagtata tatttgtact ctgccctgg ttttgagac 240
agagcttcta aaacctttgt agatggagac t 271

<210> 9257

<211> 394

<212> DNA

<213> Homo sapiens

<400> 9257

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cacagttttt ctttcctttg attgttttagt ttttgctttg tacctagacc tggccagtga 180
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gagttattaa agctttcaaa atgtgattcc tcatctgtat gcctgtggct tatctactcc 300
aagtcttgct gataaacctg cactgagagt aatagcaaag attagtcttt ctccatgttt 360
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<210> 9258

<211> 342

<212> DNA

<213> Homo sapiens

<400> 9258

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agtatcctg ccttgccctt ccaaagtgtc gggattatag gtgtgagcca ctgcgcctgg 120
ccctttcttt ccatttttgc ctacagacct tttgaactcc ttttgagaaa ttggagctga 180
actgtttctt ctgagccagt gatttgattt gtagactgag gaagatgatg acttaggcgt 240
ggcagttgga tgattcttgt aatattcttt tgctgttgac attaatgggt tctgattcag 300
gcagagttgt catctagacc atattaccac ctccaggacc at 342

<210> 9259

<211> 190

<212> DNA

<213> Homo sapiens

<400> 9259

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tgtaaattgc	tgctgcggga	gaaactggag	ccgctgtagc	cggcgcgccc	ttcttccctt	120
actgcgagga	gccaccgcct	ctttcgcgct	ccttatacac	ctatcaactgg	gagcggtggc	180
agcaaccag						190

<210> 9260

<211> 189

<212> DNA

<213> Homo sapiens

<400> 9260

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ttcccccttc	ctcccccttc	tcctctcttc	ccccctgggc	agccggagca	ctgctggggc	120
gagcggttgg	tattgcaggc	gcttactctc	cggggccacc	cggcgagtag	ctggccgggg	180
aaggaggcc						189

<210> 9261

<211> 192

<212> DNA

<213> Homo sapiens

<400> 9261

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gtcattttat	ttcctgcccc	tctggatctg	tgaactgtgt	tcccagcccc	tggtgcccc	120
agatgtcata	ctgcctgaca	ccaatgactg	gctggcctcc	aaaccacccc	ctcgctattt	180
tcccagaaga	aa					192

<210> 9262

<211> 326

<212> DNA

<213> Homo sapiens

<400> 9262

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ttggattttac	tgctgtcgcg	ggtgggcctc	acgccattcc	ctgtccctcg	gcccccttga	120
agtgagtccg	gtctcccgcc	gaaagtgagc	gaggtttgcc	cggagcgcg	acgaggggaa	180
aatgcctaaa	aaaaaagact	ggtgcgagga	agaaggctga	gaaccgccga	gaacgtgaaa	240
aacaactaag	agcatcaaga	agcactatag	atttagctaa	acatccatgt	aatgcctcaa	300
tggaatgtga	caagtgtcaa	aggcgt				326

<210> 9263

<211> 431

<212> DNA

<213> Homo sapiens

<400> 9263

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cacagcccca	ctaccaacac	atacactccc	ttagagccct	ccccctgatt	tctcagtctc	180
catagccatt	ggatgatggg	gatgggtggg	gtgatgatga	tgatgatgat	gatgatgatg	240

gatgtgtctg	tttattttggg	aagcagtgag	catctagaca	ctgaacccgg	ctgccgggttc	300
ttaattctag	ggctgtcact	tcctgcctgt	gtgaccctgg	gcaagggtact	gcattgctgt	360
gggcttttgt	tttgttatct	gtaaagttgg	ggtcattgata	gtacctactc	ataggactat	420
caggatgact	a					431

<210> 9264

<211> 356

<212> DNA

<213> Homo sapiens

<400> 9264

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ctcagcctcc	cgagtagctg	agactacagg	cactcgccac	cacggccagc	taagttttgt	120
aatttttagt	agagatgagg	ttttaccatg	ttggccaggc	tggtttctaa	ctcctgacct	180
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cccggcctcc	tcctttctttt	ctaacttctt	ttcagttctt	aaagttcagc	tgaagtgtca	300
ccccctctgg	gagtcttccc	tgacaccccc	actccataga	gctctcctag	cacttc	356

<210> 9265

<211> 164

<212> DNA

<213> Homo sapiens

<400> 9265

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tagatcatta	tttttctgct	gcattttttc	aggattttatc	accttttattt	ttagtttttag	120
tttttgtgag	tgtatagtag	gtatgtatat	ttatggggca	cgaa		164

<210> 9266

<211> 455

<212> DNA

<213> Homo sapiens

<400> 9266

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agctggcgcc	ggtactcggc	gatctcttcc	ttggcggasg	gatggcctcc	ttgttctgct	180
cgcccgccctc	ggtgagcttg	gcgtasggca	tttgaaccac	tcttcggcct	ggtgcatatt	240
ctggtctgag	tggttttcga	gctgggagcg	gatttccttc	agcgccgtcg	agatgtctgt	300
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ggccacctcc	tcctcgtggg	tgctccgcag	aaggccacct	catcctgcag	cgactgcacc	420
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<210> 9267

<211> 174

<212> DNA

<213> Homo sapiens

<400> 9267

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gtggctagga	ttataggcat	gtgccaccat	gtccactaa	tttttctatt	tttagtagac	120
amgarggttt	cacmaggttg	gccargctgg	gtcttgaatt	tctggcctcc	caaa	174

<210> 9268

<211> 222

<212> DNA

<213> Homo sapiens

<400> 9268

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ttattttaat	tttgatttaa	aatttggacg	ggtgcggtgg	ctcacacctg	taatcctagc	120
actttgggag	gccgaggtgg	gcggatcacc	tgaggttggg	agttcaagac	cggcctgacc	180
aacatggaga	aaccccatct	ctactaaaaa	aaaaaaaaaa	aa		222

<210> 9269

<211> 455

<212> DNA

<213> Homo sapiens

<400> 9269

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cacctaattt	atgaatacac	acaaattgga	aagccatgca	gtagcctctc	aggagcagac	180
tgatttgtag	ctgtcgtggt	ttactgcatg	acgtacaggc	tctctgtatg	cactgtgtgt	240
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tctgtgaaca	gttttttgcc	ttaagtgtctg	ctttttagaac	caaactgtca	tataagattt	360
atcagctctt	ttaacacctt	tgtagattcc	tgatgctgtg	tacaaatcat	gtcatctatg	420
aatagacagt	ttcacttctt	cctctcagtc	tagat			455

<210> 9270

<211> 321

<212> DNA

<213> Homo sapiens

<400> 9270

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agtcaggtag	catgatgcct	ctagctttgt	tcttttggct	taggattgtc	ttagcaatgc	120
ggactctttt	ttggttccat	atgaacttta	aagtagtttt	ttccaattct	gtgaagaaag	180
tcattggtag	cttgatggca	ttgaatctat	aaattacctt	gggcagtatg	gccattttca	240
caacaatgat	tcttctctatc	cgtaagcatg	gaatgttcct	ccatttggtt	gtgtcctctt	300
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<210> 9271

<211> 433

<212> DNA

<213> Homo sapiens

<400> 9271

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agcggaaacca	ccaaaaggag	tgatgatcaa	cgatctcatg	ataaatctgg	atgctagtgc	120
tcatgcctca	ggacatccta	ctgggaacga	cacaccagct	cctgggatca	gactttcatc	180
tacttaggac	ccctctttgc	ccagactact	aaagccagtc	ttcactagcc	acgaatggct	240
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ttgttcagca	ctttgaagat	agcaatgatt	gcccaaggty	tggcaaccaa	gttcatgaga	420
caaateccatt	aga					433

<210> 9272

<211> 344
 <212> DNA
 <213> Homo sapiens

<400> 9272
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 gtacaaaatt agccacatgt ggtggtgggc gcctgtaatc ccagctactt gggagggtga 180
 ggaggagaaa ttgcttgaac ccaggagggtg gagactgcag tgagctgaga tcgcaccact 240
 gcactccagc ctgggtgaca gagcgagact ctttctcaaa ttaaatgaaa catttaaattg 300
 cgaaaaatgt aagttaaaat caaaaagcat tcagaaaagg gtga 344

<210> 9273
 <211> 320
 <212> DNA
 <213> Homo sapiens

<400> 9273
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 agttcaggac tcttggccag gcatggtggc tcaactcctgt aatcgcagca cttagggagg 180
 ctgaggcagg caaatcacct gtggtcagga gttcgagatc agcctggcca acatgatgaa 240
 accccatctt tacaaaaagt acaaaaaaat tagccagtca cgatgccggg tgactgtaat 300
 cctagctact cgggaggcat 320

<210> 9274
 <211> 273
 <212> DNA
 <213> Homo sapiens

<400> 9274
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 gcctcccagg ttcaagcaat tttcctgcct cggcagagac ggggtttcac catgttgagg 180
 aggctggtct cgaacccctg acctcaagt atcagccac ctcggcttcc caaagtgtctg 240
 ggattacagg tgtgatccac tgcaccggg cca 273

<210> 9275
 <211> 139
 <212> DNA
 <213> Homo sapiens

<400> 9275
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 catttgctgc ccagtgcc 139

<210> 9276
 <211> 142
 <212> DNA
 <213> Homo sapiens

<400> 9276
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tggtcagcta gtgctctcaa gaaatggaaa agagggttcag ctggacaagg ctggccggtt 120
tagctggaaa gatgtgaaca ag 142

<210> 9277

<211> 440

<212> DNA

<213> Homo sapiens

<400> 9277

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agctcactgc agtctcaaac tcctgggctt gagccatcct cctgccttag tctcctgagt 180
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tttacttttc aaataaaaatc catgtacagt ttgacaatg gatttttagat aaattaatat 420
ctagttacct casatcttca 440

<210> 9278

<211> 138

<212> DNA

<213> Homo sapiens

<400> 9278

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tagcgccctgg cctgcgcgcc gctgcccgcg ccacaggatt aattttatctt tggaaatcaa 120
gtgcaatatt ggaagcca 138

<210> 9279

<211> 216

<212> DNA

<213> Homo sapiens

<400> 9279

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aaagtggggt gttaaagttt tctactatta ttccattgct gtcttcattt ccccttggt 180
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<210> 9280

<211> 199

<212> DNA

<213> Homo sapiens

<400> 9280

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taggcgcgatg gacattcatg gttttgtttt cttttgtggt tgaaattttc tgtgataaaa 180
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<210> 9281

<211> 330

<212> DNA

<213> Homo sapiens

004220"666T560

<400> 9281
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ctgaagacta tgagaatatt tctgttctaa aatggcagag atattactga cgcttctacc 180
accattctcc ttaagctcca cattgcttct ccttaageta tcttcctttt ccagccatat 240
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<210> 9282
<211> 370
<212> DNA
<213> Homo sapiens

<400> 9282
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aggtgatcca cccacttcag cctcccaaag tactgggatt acaccacacc cagccatagt 180
tttaaattta atttaattta attttcatag ttacagagtc ttgttatgtt gccaggctg 240
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<211> 343
<212> DNA
<213> Homo sapiens

<400> 9283
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gctacacagg ggtcagggac ctgcttgagg aagcagtcctg cgttcttggg gctcgcacac 240
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<210> 9284
<211> 202
<212> DNA
<213> Homo sapiens

<400> 9284
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acattccttt ggtgggtgtca tattttattg ctttttcata tttcttgtgt cagtgagttg 180
atgtctttgc atccggtgag cg 202

<210> 9285
<211> 192
<212> DNA
<213> Homo sapiens

<400> 9285
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cttagggaag	ct					192

<210> 9286

<211> 202

<212> DNA

<213> Homo sapiens

<400> 9286

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cctcagccac	ctgggtagct	gggattgcag	gcgcctgcc	tcattgcccgg	ctgatttttg	180
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<210> 9287

<211> 375

<212> DNA

<213> Homo sapiens

<400> 9287

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aggacagtgt	gatctagtca	ctcacagtga	gaactagatg	cacccttta	aatcttcctt	240
cccatccctg	tctcatttct	ctgctctctt	accttgtttc	ttgggatcgc	cttgagagaga	300
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<210> 9288

<211> 325

<212> DNA

<213> Homo sapiens

<400> 9288

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gttacctgcc	ttaagagtgg	agccatatgt	catccagtct	tttgccctag	aaggatataaa	180
caaattggca	cctgtggtct	ccttggaaca	aaatgctgca	aaaagccatg	aggaggccaa	240
gaagctgctg	tggctgatgc	ggattcagaa	agggctccct	catcagagac	gtgcgacatg	300
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<210> 9289

<211> 318

<212> DNA

<213> Homo sapiens

<400> 9289

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tgaataattta	aattttgact	gctgattagc	tggaaagcct	agttttaatg	gaaagaaagt	180
ttgcttttta	aactgaaagt	agttttcttt	tgctaacaaa	tctaacttca	tacataattg	240
gccatattag	taaaacactt	catgatagca	gtgtatatat	agtcttgwt	gtagttggaa	300
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<210> 9290

<211> 132

<212> DNA

<213> Homo sapiens

<400> 9290

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<210> 9291

<211> 162

<212> DNA

<213> Homo sapiens

<400> 9291

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<210> 9292

<211> 298

<212> DNA

<213> Homo sapiens

<400> 9292

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gggctaccac	tttccttggt	tttatatcca	tttcctcttg	gaagttcttg	ttgcttatgt	180
gacctgttgg	ttgttccccg	gactgggcac	ctacaggagt	cagggcagac	ggcagatgtg	240
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<210> 9293

<211> 256

<212> DNA

<213> Homo sapiens

<400> 9293

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ttataaatta	tatacat	tttttaagga	aaagtgtgga	ggctagggca	ggcagggttg	120
taggactgaa	ggtttgccca	ttctgctgcc	tccatctcag	ctccagctcc	atccccctct	180
ccacagaaag	cagttggtga	cacgagggtc	tatacttttc	ttctgttgct	ctcttgactt	240
aacgtgaaaa	caggga					256

<210> 9294

<211> 359

<212> DNA

<213> Homo sapiens

<400> 9294

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agagggccta	ataatagtct	aaaaccaagc	ttcagaaatt	gcttcgtgac	tgttgtaaga	180

tcaatattgt	gtttgcgtat	tagttggaca	gaaagcatgt	gtggacattc	atccaacctg	240
accccaggtc	attcattctc	catccaaaaa	gggttatagg	tatggtttat	ggctctttgtt	300
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<210> 9295

<211> 333

<212> DNA

<213> Homo sapiens

<400> 9295

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tcctggcctc	aactgattca	cctgcctcgg	cctcccagag	tgctgggatt	acaggcttga	180
gccaccagac	ccgacccctt	ttttctcttt	aatattttat	ttattttttg	agacagtctc	240
actcgttccc	tcaggctgga	gtgcagtggg	gcaatcactg	cagcctcgac	ctcctagctc	300
aatcgatcct	cccacctcag	cctcccgggt	agg			333

<210> 9296

<211> 208

<212> DNA

<213> Homo sapiens

<400> 9296

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agccggtgcc	tcggacgcct	ggacggggca	kgactcggcg	gagccaactc	tgactcggcg	180
gagtggatcc	gagacatgta	cgccaaga				208

<210> 9297

<211> 152

<212> DNA

<213> Homo sapiens

<400> 9297

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tcctcatcca	gacttctaaa	cagagtaatc	tacatcctca	atgcctacct	taccttcact	120
tcacacctca	acccccagta	atccaccac	ct			152

<210> 9298

<211> 201

<212> DNA

<213> Homo sapiens

<400> 9298

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gaacgtcagt	gacagagctg	acgcgggttc	cctccctctc	tcctggccgt	ggaccctcgc	120
ttgcagagag	gggccggccc	gcgmaccccc	ggcttccgaa	gcttgtctcc	agtgacttat	180
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<210> 9299

<211> 266

<212> DNA

<213> Homo sapiens

004399-03400

<400> 9299
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ctgaccaagt atttttgtca gatgtctacc tcctctcttt gggtctgtcc cagtcaatgg 180
aatgagcctt ccagagatat aaagtgaact ttctggctcc ctgaaggcac acaagatccc 240
tccccaaagc cccacttcac ccgaca 266

<210> 9300
<211> 190
<212> DNA
<213> Homo sapiens

<400> 9300
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aatttcatcc acttgctttt cttgttttaa agtcagacaa gataaaggct tgtcaatttt 120
gtctcttcaa agaaccagct tntttgtttc attgattctc tgtttttctg ttctataatt 180
tctctccacc 190

<210> 9301
<211> 217
<212> DNA
<213> Homo sapiens

<400> 9301
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caggagtga gtggctcaat cttgggctca ctgcagcctc aacctcccag aggcgggggt 120
tcacatggt gccagactg gtcttgaact cctgagctta agcaatccac ctgcctcggc 180
ctcccaaagt gttgggatca caggcgtgag ccaccga 217

<210> 9302
<211> 256
<212> DNA
<213> Homo sapiens

<400> 9302
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ttgctctgtc gccatgctg gagtgcagt gcacaatctc agctcactgc aagctctgcc 180
tcctgggctc acgccattct cctgcctcag cctcccaagt agctaggact acagtcacct 240
gccaccaccc ctggct 256

<210> 9303
<211> 325
<212> DNA
<213> Homo sapiens

<400> 9303
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gagaagacca cacatcctga actccccagt ctggtgtgag gggaggacag ctgataactg 180
gatatgcagt gttcccagac atcactggtc ccaaaccatt acttctgcct gccactgcc 240
caaatacagt aggaatgcc tcccctaggg aaatgacaag agtataatta tgctaaacat 300
tcaaaacaga tttaaagaca gggtc 325

<210> 9304
 <211> 311
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<400> 9304
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<210> 9305
 <211> 262
 <212> DNA
 <213> Homo sapiens

<400> 9305
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<210> 9306
 <211> 201
 <212> DNA
 <213> Homo sapiens

<400> 9306
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 aaaaaaaaaa aaaaaaaaaa a 201

<210> 9307
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 9307
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 tgaaggactt cactagacct gtcaccccat ctagaaggcc agctga 226

<210> 9308
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 9308
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atcatataac	cttgaaataa	taatattgtac	cttcattata	ccacttgcac	tttcaggaac	180
atcgttcaat	aatgcattct	ttatgtattc	ctgattttat	taagaaagcc	atthgtgttt	240
caccattaaa	taaggtgata	gttatgacta	agaaaaatat	ttttattaca	ttttcttaag	300
caatgtttta	aaggtattaa	aaattaagtg	aacacccatg	taccagcac	ccag	354

<210> 9309

<211> 447

<212> DNA

<213> Homo sapiens

<400> 9309

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tccttcattt	taactgttat	gtcatatnnt	tatgwtgaca	tattkctkta	taagagrata	360
gaggcaaaag	tatagwactg	aggrtcattt	gtatthtttg	gwtggaaatt	atgaaacttc	420
accatattat	gatcatacat	atthttga				447

<210> 9310

<211> 436

<212> DNA

<213> Homo sapiens

<400> 9310

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tatgtgtaat	tataaacatg	aacggcctgt	ggtaccacac	tggtatgtgg	gtgcattttt	180
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<210> 9311

<211> 353

<212> DNA

<213> Homo sapiens

<400> 9311

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<210> 9312

<211> 287

<212> DNA

<213> Homo sapiens

0042200 16667560

<400> 9312

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ttatcagatt	ggcagctaaa	cagttgtatt	agataatcct	taaatctgac	atccagcctg	180
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<210> 9313

<211> 447

<212> DNA

<213> Homo sapiens

<400> 9313

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gtcttcagtg	ggcccttggc	aggagactgg	tggaattgaa	asscactccc	ttaggggaag	360
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<210> 9314

<211> 207

<212> DNA

<213> Homo sapiens

<400> 9314

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atztatgagt	katctaaacg	tcttgttctt	tctttctctc	ttctgccgtc	tctatcatgg	180
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<210> 9315

<211> 187

<212> DNA

<213> Homo sapiens

<400> 9315

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taagaaatga	gatagacagc	aacacaattt	gagtattgaa	gggggacttc	aatactccac	180
cgacagc						187

<210> 9316

<211> 266

<212> DNA

<213> Homo sapiens

<400> 9316

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tgaatctgga	cctgagctgg	ttggcaccgc	ctgcagctgg	aggtaactgg	gacaggcagg	120
acctgtccca	cccaatcaag	aggaatggta	ggagccccac	ccaccttgga	ctcagctgta	180
gctaccagac	agccttgagg	gtttctcaaa	gctgttatcc	agactgagag	gagatgttga	240

ctaagacatt gatcatctgg cccgct

266

<210> 9317

<211> 134

<212> DNA

<213> Homo sapiens

<400> 9317

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atcatgaagt	ggatgggtgg	ggtcttggtc	tgccctccagc	tcttggaggc	agcagtggtc	120
aaagtgcccc	tggt					134

<210> 9318

<211> 316

<212> DNA

<213> Homo sapiens

<400> 9318

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cgtggcta	at ttttatatt	ttagtagaga	tggtttttcg	ctatgttggt	caggctgggtc	240
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<211> 180

<212> DNA

<213> Homo sapiens

<400> 9319

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<211> 388

<212> DNA

<213> Homo sapiens

<400> 9320

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<211> 227

<212> DNA

<213> Homo sapiens

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 gccatgaggc taccctgtct cctggttttt gcctctgtca ttccgggtgc tgttctccta 180
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 <212> DNA
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<400> 9323
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 <211> 369
 <212> DNA
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<400> 9325
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<213> Homo sapiens

<400> 9326

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<210> 9327

<211> 348

<212> DNA

<213> Homo sapiens

<400> 9327

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agaacactag	ggcagctttt	atctactgaa	tattttaaca	actgctgtag	aggtaacggt	300
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<211> 193

<212> DNA

<213> Homo sapiens

<400> 9328

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cagcctcgtc	taggttttaa	gtcccgtacg	cattaggtat	ttgtcgtaat	gctttccctc	180
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<212> DNA

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tgcccaaggc	actctttaca	gtacctgttc	gggtcttttc	ttctaatttt	aagcacctac	240
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caatctaaga	accttgaatt	tctctccttt	tcacctcara	atttckattc	tcacactttc	360
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<210> 9330

<211> 138

<212> DNA

<213> Homo sapiens

<400> 9330

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<211> 223

<212> DNA

<213> Homo sapiens

<400> 9331

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cccagctcat	ttttttcttc	tggtcagttt	ttttaagggg	gggtgttggtg	gttttttgtt	180
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<211> 211

<212> DNA

<213> Homo sapiens

<400> 9332

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aggaaaacga	cttctctctag	atTTTTTTTT	cagtttcttc	tataaatcaa	aacatctcaa	180
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<210> 9333

<211> 189

<212> DNA

<213> Homo sapiens

<400> 9333

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aatagctggg	actacagtcg	cgcaccacca	cgcctggcta	atTTTTtatt	ttttagataa	180
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<210> 9334

<211> 491

<212> DNA

<213> Homo sapiens

<400> 9334

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ttgctcaggc	caaaaaaact	ttggagcctt	tcttgactcc	tctktttctc	tcasacccca	420
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<211> 313

<212> DNA

<213> Homo sapiens

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 gggcctctcc ttgctgaaga gtagcctgga gctggacgga gactgacccg ccacgtttcc 240
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 <211> 351
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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<400> 9339
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212

<210> 9340

<211> 188

<212> DNA

<213> Homo sapiens

<400> 9340

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tttctgccat	tttactaaat	tcttttattg	gttgtgtcag	cttttatcat	tgcttttctt	180
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<210> 9341

<211> 325

<212> DNA

<213> Homo sapiens

<400> 9341

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accctcatgc	acccatcatg	cagcttcaac	agttatcagt	atttggccag	tctcctttca	180
tctatactcc	tcaacccac	aggtatcgag	ttattttaaa	gccaatccca	gacactatat	240
aatttcatcc	ttaaaaaaat	ttcagcataa	agactcctta	aagaataaag	gctaaaggct	300
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<210> 9342

<211> 271

<212> DNA

<213> Homo sapiens

<400> 9342

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tgagactttg	gtccttgtgt	cattccctca	cccaagcctc	actttctttc	cttgtaaagt	180
ggaggctcct	agttttctct	tcatgggttt	ctgtgaacag	actcacacaa	tgaatgcatt	240
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<210> 9343

<211> 325

<212> DNA

<213> Homo sapiens

<400> 9343

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ccgcgcccg	gctcttccga	gaagtgggtg	ctgacagcca	caaagtgaaa	gggagtgagg	240
cggcgtggac	gagtaaggag	tgacagttag	gattcacatt	tgggttvntt	cvhगतgagc	300
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<212> DNA

<213> Homo sapiens

<400> 9344

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<210> 9345

<211> 351

<212> DNA

<213> Homo sapiens

<400> 9345

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cccttagccc	ctttccacat	tctgccattt	gatggacgac	catgggcaga	tcttaccttt	300
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<210> 9346

<211> 416

<212> DNA

<213> Homo sapiens

<400> 9346

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<210> 9347

<211> 426

<212> DNA

<213> Homo sapiens

<400> 9347

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<211> 308

<212> DNA

<213> Homo sapiens

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<210> 9349

<211> 377

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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wraactgtat	cctggacatg	tggatgtccc	tggccaccga	aagtgggtca	satawacaag	300
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<211> 195

<212> DNA

<213> Homo sapiens

<400> 9351

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<210> 9352

<211> 176

<212> DNA

<213> Homo sapiens

<400> 9352

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<211> 219

<212> DNA

<213> Homo sapiens

<400> 9353

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gacttttgaa	ttttgaatat	tcgttgggtt	tcatgttaag	aagcctgtgg	tctaggagtg	180
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<210> 9354

<211> 367

<212> DNA

<213> Homo sapiens

<400> 9354

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aaccatacca	ttaactgcta	gadacatggg	cggggctgac	cccagaaact	taagtgtgct	360
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<210> 9355

<211> 384

<212> DNA

<213> Homo sapiens

<400> 9355

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tactgcagca	tcaacctcct	gggctcaggc	gatcctccca	cctcagcctc	tcaagtagct	180
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taatgacagg	gtctcgctat	gttgcccagg	ctggctctga	acttctggcc	ttaaatgatc	300
ctcctgcctc	agccttccaa	agtgcgggga	tcacaggcat	gagtcacggc	sctgracct	360
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<210> 9356

<211> 259

<212> DNA

<213> Homo sapiens

<400> 9356

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tacttctctg	agaggtggaa	ggataggaag	ccactgccat	ctccctgcac	ctgtgcttct	180
gtgccccctt	tacttcttat	tatttatgaa	taacctatcc	ttgtgagtct	caatctcctt	240
cagtgacca	gatcccgcc					259

<210> 9357

<211> 267
<212> DNA
<213> Homo sapiens

<400> 9357
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taaagaaaaga gacgggtcgca tcggatagaa gatgtgatcc tgctctcacg tttttccttc 120
tggcatgacc atacacgttt tgagaaaatg ttgccaaatg ggtagactaa acaatgaatg 180
gctgccgggt ttagtcatac ctctctgtgt gagccgtcaa ttgctgacgg gagctaggac 240
attattccag ctacaaaatg ggccccgc 267

<210> 9358
<211> 441
<212> DNA
<213> Homo sapiens

<400> 9358
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gccaagcctc ctgccagtcg agggcccttta ccttcacgac acaccaagaa ctaaaacagg 120
atcagccaaa gataaaaccg aatcagtttg aaccctacag aggagcccag aatgatttct 180
ctttgtctca gaggcctgcc tttctctctc tgtctcagag gtttgccctc acctccctg 240
aaccttgccc cagaagtttg ccttctctct cttccttccc ccttcttagt ggctcttgaa 300
cccaagaatc tgtcctggaa gccaaatgga aattctacac agaagsvbgc ctaagtctta 360
gcagcaatgt tgtactcgtt ttcttcttta aaattaatga atacacagcc agaggtttat 420
tatgccacac acattgtgtt c 441

<210> 9359
<211> 427
<212> DNA
<213> Homo sapiens

<400> 9359
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tcaagttctt aaacagcagc caggggtggc tttaaagac aggcttgtct agctgcaaga 120
ctgatatgcg acctctatgc agaggactca gctggctgct tgttgctca acccccatgg 180
ggaaagagtg gaggaagaaa agtttgtgct ggaggaagta acaatttggc tatgccatct 240
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gcgttctcag taaagagagg gcacaccagt ctgagctaga tgagtactgg ccatgggaac 360
agtggggcaa gagcagatct gctccactcc acgcacatgg cacagggtccc accctcagct 420
tcctcct 427

<210> 9360
<211> 287
<212> DNA
<213> Homo sapiens

<400> 9360
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tagcctgtcc tagagaatga tccatgtgct acagaagaga atgctgcagc cattggatta 180
aatgttttgt aaatattaag tccatttggc ctatagtgcg gatgaagtcc aatatttctt 240
tggtgatttt ctgtctggaa gatctgtcca atactgaaag tggagtc 287

<210> 9361

<211> 306
<212> DNA
<213> Homo sapiens

<400> 9361
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ctggagtgca atggtgcaat ctgagctcac tgcaacctct gcctcccgcg ttcaagcaat 120
tctaccgcct cagcctccca agtagctggg attacaggcg cacaccacca cgcctcagcta 180
attdtdttgta ttdtdtagtag aaacgggggtt tcacctgtt gggcaggctg gtctcgaact 240
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ccacca 306

<210> 9362
<211> 328
<212> DNA
<213> Homo sapiens

<400> 9362
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dccccccac caaccacccc ggagcctgcc agctgtggga actggatgga cgacagttct 120
tttcttctgt ttctgtgtct accaaggggc caacgttgc gtgaatattt ctctacccg 180
attccccacc accactagtg cctctggatt tagagatata tatcctaggg tatgatacta 240
ctgtgacggg tctaacagcc ccggctact cttgttctgt gaaatgtgta ttdtagtctc 300
tgtgaagcct ttrswctcta ggtggcca 328

<210> 9363
<211> 436
<212> DNA
<213> Homo sapiens

<400> 9363
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gactttgggt gataatrctg ggtcactgta ggttcattga tggtaacaaa tgtaccattc 180
ttctgtggga tgttgatatt ggaggagggt gtgtctgtgt agggacaggc ggtaaatggg 240
aactctgtac tttccactca gtttggctgt gacctaaaa cagtcttaag aaacaaattt 300
ttattaaaaa ataagtctca gaagaaaaaa tatgcaaagg atatctgcag aaagtttaca 360
aaagcagcta ggcttdttcca ggtggccagg aaaatggcct ggatataatc ccagctaatt 420
cagaaaagta catggg 436

<210> 9364
<211> 398
<212> DNA
<213> Homo sapiens

<400> 9364
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aaagaacaga catttgattt gaggtgaggt aaaagcctga aacatggaat ggcattctgt 120
tttgatggat tttcatttct tcgcacttct gagacggcaa agccaaccac ttagaagcct 180
tccacatctt tgtcacctgc ctggctcctg ctctctgatg tacctctggg tagtgagatg 240
gaaatgggtc ctgcagaagt tggggagaag gatacttdttg cacagcctcc atgatgtctt 300
tattgcaaat atggatgaca aggttctctg ttacaggggc ctgagagcac cttcgttdtt 360
cctctagacc agggacagggt gtagagataa ggtctggc 398

<210> 9365
 <211> 284
 <212> DNA
 <213> Homo sapiens

<400> 9365
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 atagatttttt ctttgtaaca atttgttctg cagaaggctg tttttcactt ttcctttctt 120
 ttgcttcttt ctgtctttcc ttctcttttg tctggagaaa tcacttagac tctgtgtgcc 180
 tcttctacat tgcattctgc tctgctatgt tacctgctag gctggcttct ttggactccc 240
 tatatgattg atgatgtgaa aacctaaatt acttgagca tggt 284

<210> 9366
 <211> 302
 <212> DNA
 <213> Homo sapiens

<400> 9366
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 cctgggaagc ctmaaggmtg magtcatckg agatgggtgcc gctgcagtcc agcctgagcg 120
 acagagtgwk acctcgtctc aaagaaaaca acaacaacaa aaaaccttgc ttaatactgc 180
 aggggttattg ttggatcccc gcttttccat ttgttctactg tcatcaaagg agagtcaaat 240
 ttcacagttg catggacttt atttttctat aactgaacta aatgtctttc ttaagcccca 300
 ar 302

<210> 9367
 <211> 182
 <212> DNA
 <213> Homo sapiens

<400> 9367
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 aatctcagct cactgcaact tccgcatecc aggttcaage gattctcccg cctcaggttc 120
 ccgagtagct gggactacag gcatgtgcca ccatgcccgg ctaatttctt tctttctttt 180
 tt 182

<210> 9368
 <211> 188
 <212> DNA
 <213> Homo sapiens

<400> 9368
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 rcctaccacc atagtcaaga cactgacttg gtattctggt accctgggat cctcctggtt 120
 accctttgta accataccaa tttccatccc accctgctct ggccccctag taatactttc 180
 tggcagtc 188

<210> 9369
 <211> 215
 <212> DNA
 <213> Homo sapiens

<400> 9369
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tatctctgga	gagaagggaa	tggcaaagag	tgggagctctg	agtcaagttt	ggttttgttt	180
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<210> 9370
 <211> 272
 <212> DNA
 <213> Homo sapiens

<400> 9370						
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gttattaccg	ttaagattaa	ttgtcttttg	tgctctagga	cagcattctg	cmaaartaat	120
acctgtaagc	caatcctgcc	caccacttgt	ttttgtaaat	aaaactggaa	cacagccaca	180
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tgcaacaaca	actgcctggc	ctgcgaagtc	ca			272

<210> 9371
 <211> 254
 <212> DNA
 <213> Homo sapiens

<400> 9371						
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caggagtthk	gtagcgcgtg	gggactttgt	gtgtgatgga	tccaggaacc	cctcggccag	120
agccagcacc	ctccttgtea	ccttcctcca	ctaaaaattg	aaatgtgcct	cccttcccc	180
atccagaggt	acttgggagg	agtacgctgt	gtgtgcgcaa	ggaaagagct	gagcgtgctc	240
tttatacccc	agat					254

<210> 9372
 <211> 290
 <212> DNA
 <213> Homo sapiens

<400> 9372						
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gttggaact	gatgagccca	catccacatc	atcaaacttc	ctcttgagac	ccgagcccgt	120
gaatgcatcc	attggtttca	arggggtttc	cttggggasc	ccaccaagtt	ggccccaag	180
cccctaytca	cmacmagyta	gcmaggtaca	ttaggattct	gcccaggga	aaaaaggaat	240
cagcattcct	gtccccagac	agactcctcc	ccagtctata	cacacagcta		290

<210> 9373
 <211> 293
 <212> DNA
 <213> Homo sapiens

<400> 9373						
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cccctctcac	cctgctgtat	acttatcagg	gacagtgcgc	acctggagag	ctttttgtgg	120
aatctattga	gttggtatgg	aaaaggga	agcagaaaga	gcaggtgggtg	caaactggaa	180
tttgaggctc	agctgcccc	ccccgggggt	ctcctgcaat	gaactcggat	aaccaatgtg	240
ctgtcaagcc	cttgctgttt	tgctctgaac	cccattcaag	aaaacacaga	cca	293

<210> 9374
 <211> 208

<212> DNA

<213> Homo sapiens

<400> 9374

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tcaacggggc	agccgagtct	ggagtgggtg	cgaacccttc	tggctgcaga	tctggaggtg	120
gaggcagtac	cctggactct	attctgctgc	cccttcaggg	tttggaggag	ccggagcatc	180
cctcgcgtcc	tgtcacttcc	ggcgaggc				208

<210> 9375

<211> 201

<212> DNA

<213> Homo sapiens

<400> 9375

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ctatctcttc	tcctctttct	cactcttaga	taatgatctt	tctcttttca	ctgagcaaaa	180
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<210> 9376

<211> 206

<212> DNA

<213> Homo sapiens

<400> 9376

cctcgtcaaa	tgcattgctg	aggagcttca	tttctggctt	acgggtcttg	gcattgatgtg	60
ccattggcctt	tgtgatctgt	cccctgcctg	tccttacaca	cctctctctg	taggcgcagt	120
tcctcctact	cactgtgctt	tctctctcct	gtgcccttgg	agaggctgtt	ctcttagact	180
ggacaccggt	tacctgtgat	accccc				206

<210> 9377

<211> 159

<212> DNA

<213> Homo sapiens

<400> 9377

gacttggaaa	tgtgaacgca	agaagcaggc	ttgatttttt	tttctcccc	cttctctctc	60
tctctctctc	tctctcttcc	tctctccctc	tttctcctct	ctcaccacaca	ctcagcacaca	120
cctccaaacc	gcacaccag	acgcacacgc	attcccagc			159

<210> 9378

<211> 264

<212> DNA

<213> Homo sapiens

<400> 9378

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taaacatatg	aatgcagcac	tgctgcctca	gctcagcttc	gtgcctgggt	tccccactgg	120
tctgggaaga	ctgttgctgt	ccatagagca	gtgcacatct	gacccagagg	gtgggtgttc	180
ataactgcta	cttgctctgc	tctaccatgt	ttaaagaaat	atttggtatg	taaattaact	240
cactatgggt	tttcacctgg	gacc				264

<210> 9379

<211> 219
 <212> DNA
 <213> Homo sapiens

<400> 9379
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 agggctactt ttcttagacc taacgtaaaa ccaattactt taggtggatg ttgttttgca 120
 gccagttgca attcaagtag gaaaaggatg tgctaaggct ctttcttccc taaatggtgt 180
 cagaatttca ctttcatcaa tcaatcttct agcccacaa 219

<210> 9380
 <211> 209
 <212> DNA
 <213> Homo sapiens

<400> 9380
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 tctctttcac tgtagaatga tgaatgctca gccatctgca tgtgctttgt tctttgttac 120
 ttcttttagt ctaactcagt gggtcttatg taaataacaa ttcgtatatg gccttagatc 180
 tataaaagta tgtattgtac ttgttaaaa 209

<210> 9381
 <211> 174
 <212> DNA
 <213> Homo sapiens

<400> 9381
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 cagtcctgta cgccaaggaa ctggctctgg gggcaccatg cgtttcggcg gcagcmccca 120
 rcctctcat ccttctgttg ctgctcctgg ggtctgtgcm tgmtaccgaa gccc 174

<210> 9382
 <211> 183
 <212> DNA
 <213> Homo sapiens

<400> 9382
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 tgcgtttctc ttttttactc tctactatcc ccacatctta ccaccttcc cttacttgcc 180
 agc 183

<210> 9383
 <211> 188
 <212> DNA
 <213> Homo sapiens

<400> 9383
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 tcggggagtc tgatcctgcc tcccatgcag ctgggtcccc ttcacactgt gtctacaccc 120
 tttttcttct gttgggggtt tctcctcact ggccattctc tttcycactc ctctaagtcc 180
 tgccacct 188

<210> 9384

<211> 307
 <212> DNA
 <213> Homo sapiens

<400> 9384
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 tcttatggca ggaagttaag tccaatgatt gttattccat catggctgga aaacgagggg 180
 ctggaattgg gattttcaca taggaccttt gcttttcctg tgacacatgc ttcctctcag 240
 tacatatgga tgaactnkct gactaggact acagtagcaa tatcagttta tttttggacc 300
 cacacag 307

<210> 9385
 <211> 132
 <212> DNA
 <213> Homo sapiens

<400> 9385
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 agcctggcca gcgtggtgaa accctgtctc tactaaaaat acaaaaatta gccaggcaca 120
 ctggcaggct ag 132

<210> 9386
 <211> 502
 <212> DNA
 <213> Homo sapiens

<400> 9386
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 tagtcatcaa taaattgatg acccaactct gatggttgac tgtttgttct ccaagaammt 180
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 gctcagtctt gaaccaagag tgactttctg aggattggga aacctcaact gttggttcat 360
 ggcattgtgt tgattctktt tatatatatt tkktattttt atactttaag ttctgggata 420
 catgtgcaga atgtgtaggt ttgttacatt ggtatacatg tgtwatggcg atttgttgca 480
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<210> 9387
 <211> 391
 <212> DNA
 <213> Homo sapiens

<400> 9387
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 ggttctcagt cttcccatg tctctctttg taggtatttt cccccaggtc atggattgat 180
 gtctaactcc aaatcaattt ttaagcttaa atttcaacaa agaaagtgtc tataaccact 240
 tgtcatcctc aattatccat tgtgaggagg tggatgtaag atgacttctg gaggccagta 300
 cttcctaattg attaagagcc cacgctctag agtcaaaatg atgtaggcac aaatcctggc 360
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<210> 9388
 <211> 156

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<212> DNA

<213> Homo sapiens

<400> 9388

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aattttgaga attttaacat ctactttccc	ccccgc	156

<210> 9389

<211> 161

<212> DNA

<213> Homo sapiens

<400> 9389

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acgaggactt ctaaccatca tatcttactt	tccttgtcca g	161

<210> 9390

<211> 351

<212> DNA

<213> Homo sapiens

<400> 9390

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caagtagctg ggcctacagg caccgccac cagccccggc	taattttttg tatttgtagt	180
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ctgcctcggc ctcccagagt gctgggatta caggcgtgag	ccaytgcacc tggccggtat	300
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<210> 9391

<211> 197

<212> DNA

<213> Homo sapiens

<400> 9391

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gctctgtcag gttttttccc cttatttctt tagtgagaaa	gttgcagacc tgctgtttta	180
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<210> 9392

<211> 221

<212> DNA

<213> Homo sapiens

<400> 9392

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cggatgtttc agaagcatct caaacttaat aattgctatt	cttctgtttt ttctctctgt	180
aacactcttc ctttagataa tccccatgcc	ttacccccac a	221

<210> 9393

<211> 351
 <212> DNA
 <213> Homo sapiens

<400> 9393
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 tttattaaaa gtaaacctca cctttttcac caaatagtaa ctagagaact agtcctagta 180
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 ctttacattg ttggtagtag tttctacaga tccagtktat tgcatgtcag t 351

<210> 9394
 <211> 132
 <212> DNA
 <213> Homo sapiens

<400> 9394
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 gttctcaggc gc 132

<210> 9395
 <211> 215
 <212> DNA
 <213> Homo sapiens

<400> 9395
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 cacagacaac gaggtcatca agagcatcag tgatatatcc ttccctaaaa gggggccctc 180
 ctccagaacc aacagtatcg atagcaaaga cctcc 215

<210> 9396
 <211> 429
 <212> DNA
 <213> Homo sapiens

<400> 9396
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 gccagctcc ccaggcctta aaacaaattg gaaagcaggg gaataaaaaa acaaaaacaa 240
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 gcagcctggg tgctgtgcgc aggagctccg cctgctgggt atgggtatca tcgcagggtg 360
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<210> 9397
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 <212> DNA
 <213> Homo sapiens

<400> 9397

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tctgtwagat	gccaggaggt	ttaagatgat	gaggaatgtt	tcggaaaata	agcaacaagt	180
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gacagagtcc	ctgcttttgt	ggagctcgtt	ttgtaatgga	gagagataca	cagtaaacad	300
ctgaacaaat	agagttgggg	aagatgcagt	ttttgctggg	aagatcaggg	atagtctttc	360
catgggagtg	cttktttttc	tatttcattt	ggtttatatt	aaatgagcaa	atacatctgt	420
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<210> 9398

<211> 410

<212> DNA

<213> Homo sapiens

<400> 9398

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gtccacccat	cagtgtatgt	tttagagtat	gtdgcattca	atatgtagtt	ttttggtttt	180
gttttttgtg	acgggtctcac	tctgtkgecc	aggctggagt	gcagtggcaa	gatctcgtct	240
cactgcaacc	tctgtatcct	gggttcgggt	gcttctcctg	cctcagcctc	cctagtaggt	300
ggaattgcag	gcgcgtacca	ccgtgcccgg	ctaatttttg	tatttttggw	agagatgagg	360
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<210> 9399

<211> 165

<212> DNA

<213> Homo sapiens

<400> 9399

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cctcatgcac	ccccaaagtc	tggctcctct	agccctgggc	ccctc		165

<210> 9400

<211> 134

<212> DNA

<213> Homo sapiens

<400> 9400

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<210> 9401

<211> 288

<212> DNA

<213> Homo sapiens

<400> 9401

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catgggtggtg	cttgtctgtg	gtcccagcta	ctttggggac	tgagggtggga	ggataacttg	180
acccttgagg	gtcgaggctg	cagtgcagctg	tgattgtgcc	actacaccac	agcctaggtg	240
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<210> 9402
 <211> 298
 <212> DNA
 <213> Homo sapiens

<400> 9402
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 tatcctgtgt ttgccaaact cagcctcttg ggtctagcag ctttcttctc tctcagctac 180
 gtcttcatcg ccagcatcta cctacttggg gagaagctca accactggaa atggggtgac 240
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<210> 9403
 <211> 288
 <212> DNA
 <213> Homo sapiens

<400> 9403
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 catggtgggtg cttgtctgtg gtcccagcta ctkkggggac tgaggtggga ggataacttg 180
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<210> 9404
 <211> 434
 <212> DNA
 <213> Homo sapiens

<400> 9404
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 gccatcgcaa gaccaaagga ggggatttga tgttgggtcca ctatgaaggc tacttagaaa 360
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<210> 9405
 <211> 345
 <212> DNA
 <213> Homo sapiens

<400> 9405
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 cctggccctc ttcttgggtg atttctttcc tctcagcttt taaggacatc tcccttacgt 180
 acataaactc ttctatcccc ttgagtatac tcttctcatt ttcttatatt atttaacagt 240
 taccactaat cagtccggta gagtagttct taacctgtc ttctcttttc ttctgtkcaa 300
 cataattcag atttagataa catccttccc cttttcagcc aatca 345

<210> 9406

<211> 167

<212> DNA

<213> Homo sapiens

<400> 9406

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<210> 9407

<211> 388

<212> DNA

<213> Homo sapiens

<400> 9407

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tgttgccaa	gctagagtac	ggtaggtggag	tctbgaacttg	ctgcagcttc	tgscctctgg	180
gctcaagtta	ttgtcccacc	tcagcctcct	aagtagctgg	gactacagat	gcacaccacc	240
atgctgggct	aattttttgtg	ttttttttgca	gagacgaggc	tttgctttgt	tgcccagact	300
ggctctgaac	tcttgagctc	aagcgatcct	cctgcgtttgc	actcccaaag	tgagggggtt	360
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<210> 9408

<211> 239

<212> DNA

<213> Homo sapiens

<400> 9408

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agccaccact	cctgtccttg	gaatcccttg	tcccagacac	ccacctcatt	cagtggctcc	180
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<210> 9409

<211> 352

<212> DNA

<213> Homo sapiens

<400> 9409

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gcagttwagg	aataaagcvg	ctctaaacat	tctcgtgtag	gttcttatgt	gcacataagt	180
tttcaccttg	atthgtataa	atgtcaagga	acccaattgc	tatgtcatat	ggtcacaata	240
cgtttagttt	tgagaaattg	ccagatggtc	ctccatagtg	cccatacctt	tttgtatttc	300
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<210> 9410

<211> 299

<212> DNA

<213> Homo sapiens

<400> 9410

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taggccccag	tgtctgttgt	tcccttcttt	gagttcatga	gtwctattta	cctccctctt	120
ataagtaaga	acatgtggta	tttggttttc	tgttcctgtg	ttagtttgct	aaggataatg	180
gcctccagtt	ccacccatgt	ttccacaaaa	gacatgaact	cattcttttt	tatggctgca	240
tagtattcca	ttatgtatat	atacaacatt	ttccttatct	agtctgtcac	cgagaggcg	299

<210> 9411

<211> 250

<212> DNA

<213> Homo sapiens

<400> 9411

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cttctctgct	gggctgctgt	caagtccttc	ctgtcctatt	cctctcacia	ccatgtcctc	180
tctcctcccc	ttccagtcct	ggggcggggtg	ctggagggtga	cagatctccc	tgagggcac	240
accggtacac						250

<210> 9412

<211> 148

<212> DNA

<213> Homo sapiens

<400> 9412

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tcctgagttc	aggcactcca	cccgcctg				148

<210> 9413

<211> 354

<212> DNA

<213> Homo sapiens

<400> 9413

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aaagaaagca	tgggctgggt	gcggtggctt	acgcctgtaa	tcccagcact	ttgggaggcc	120
ttggcgggcg	gatcacgagg	tcaggagacc	aagaccatcc	tggttaacat	ggtgaaaccc	180
tgtctctact	aaaaatacaa	aaaattagcc	gggtgtgggtg	gagggcgcct	atagtcccag	240
ctactcggga	ggctgaggca	ggagaatggc	gtgaacccgg	gaggtggagc	ttgcagtgag	300
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<210> 9414

<211> 476

<212> DNA

<213> Homo sapiens

<400> 9414

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aatatattat	ttcttttgtk	gttcaaat	ttccatcttt	ggccattggc	agccctttca	120
cgttggcatc	tgtgtccgtt	ggacaatccc	ccatcctttt	gtttttttga	aaatttcctt	180
actttttgat	atcatgagat	actccaggct	catcttgtct	tctctctgat	ccaccctaga	240
atcagccatg	gttcccctca	ttggagaatg	atatttagaa	acagaaacct	gggtgctggg	300
tgtgctcagt	gggacgaggg	tgtaaccgcc	tccagccctg	tcagtgaaga	gagctgcgta	360
atgtgcgtgc	agataatacc	ctatgtgtga	acacatactt	cagattatct	ctggatctgt	420
ccatccttat	atcgatgcaa	agcttaaaca	tgagttcaca	ctgatgtctc	tgattc	476

<210> 9415

<211> 347

<212> DNA

<213> Homo sapiens

<400> 9415

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gtatgtc	att	aactttt	gcc	ttcaat	gtca	agtttat	ggg	gtggtag	ggt	tgatgccc	ag	180	
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tttctcc	agt	tttcccc	ctt	tgctat	ctc	agaacc	ataa	atctttc	aac	tgcgga	gggc	300	
cttgagg	tgg	ggctgc	ctag	ccaagt	ccct	kttgact	gag	gcca	nwy			347	

<210> 9416

<211> 425

<212> DNA

<213> Homo sapiens

<400> 9416

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atgatt	caaaa	aagtttt	gct	cagtt	aaaaa	cacca	attta	tttgg	cga	aagact	gaag	180	
gatatt	tgtt	tgctt	gttca	ttttat	ccac	tcatat	caaa	cgcaca	aat	catctt	taca	240	
tttctt	catt	cccc	tttccc	ctaata	tttc	ctattat	cat	cttaaga	atc	atttt	ggaat	300	
gaatatt	gac	agaatc	attt	ctcccc	aaaa	agtctg	twga	agtacc	actg	acactt	tagta	360	
agcctag	cct	ttaacc	atct	ttgcag	ttag	tcctaa	aaat	taccag	atgc	acattc	agaa	420	
gctct												425	

<210> 9417

<211> 170

<212> DNA

<213> Homo sapiens

<400> 9417

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ctgtg	ggcgg	cctgg	cccc	actcct	ctag	tctagg	cga	cgaagg	gagt	tgctc	ctagg	120
tcttg	tccgt	gccggg	ttcg	ctttt	ctttc	cttccc	gaag	cctgg	cccat			170

<210> 9418

<211> 258

<212> DNA

<213> Homo sapiens

<400> 9418

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gtag	gtt	gcc	tg	ttcatt	ct	gat	gat	ag	tt	tctttt	gtctg	tg	caga	agct	ctttag	ttta	120			
att	gatt	cc	aw	tttg	wcag	tttt	gg	cttt	tg	ttg	ccatt	g	ctttt	gg	tg	tttag	tcat	180		
ga	agt	cttt	g	ccat	gc	cta	tg	tc	ctga	at	g	gtatt	gc	ct	agg	tttt	ct	ctagg	cttt	240
tat	g	gttt	ta																	258

<210> 9419

<211> 158

<212> DNA

<213> Homo sapiens

<400> 9419

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aaatgttcgc	ctgctccaag	tttgtctcca	ctccctcctt	gagtttctgt	cttgttgccc	120
aggctgcaat	ggcgcgatcc	accacaacct	ccgcctcc			158

<210> 9420

<211> 172

<212> DNA

<213> Homo sapiens

<400> 9420

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ctcattcagc	ctgacccctc	atctcacctt	gtcagcccc	tgccacctct	cagagctctg	120
aacttttttg	tgcttggttg	ctgtcaaata	caggagtctg	gagaacccca	ca	172

<210> 9421

<211> 163

<212> DNA

<213> Homo sapiens

<400> 9421

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ctgtctgctg	cccagacttg	tagcaagcaa	gcagaggatt	cccttcctat	ttccttgttc	120
taataagttg	gtacccatcg	gagagcaatg	aaagatcaga	cga		163

<210> 9422

<211> 177

<212> DNA

<213> Homo sapiens

<400> 9422

cctcttvsc	ttcatactaa	agtcactgct	gtggcaacca	gtttcaagca	gggctgaacc	60
ttgcctcttg	ctctggggat	gtctcacttc	ctgcccctgg	gcttctcacc	agctacagga	120
actgcctagc	acttggttat	gtacaacctg	gaagagggtg	ggggccaccc	catcccc	177

<210> 9423

<211> 190

<212> DNA

<213> Homo sapiens

<400> 9423

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gttcrgttcc	kggatattct	tgtaacttt	ctgtctcatt	gatctgtcta	atgttgacag	180
tggggtggct						190

<210> 9424

<211> 200

<212> DNA

<213> Homo sapiens

<400> 9424

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<210> 9425

<211> 167

<212> DNA

<213> Homo sapiens

<400> 9425

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 cttagacaga gtcccgtctt gtcgccaggc tggaaatgcag tggcgccatc ttgggtcact 120
 gsracctccg cctcccgggt tcgggcagtt ctctgkctc cgcgctc 167

<210> 9426

<211> 278

<212> DNA

<213> Homo sapiens

<400> 9426

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 cctcggcctc ccaaagtgtt ggtagaggtg tgagtcactg tgcccagctc tacttgaca 180
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<210> 9427

<211> 169

<212> DNA

<213> Homo sapiens

<400> 9427

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 gctgtcaaatt tcgggagcca gattttttcc cttctcctgg caatcccttc cgcttccccg 120
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<210> 9428

<211> 183

<212> DNA

<213> Homo sapiens

<400> 9428

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 gccacatttt gcagatatth tccttaacac atcattttct tcttcagttt tttcgcagcc 180
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<210> 9429

<211> 176

<212> DNA

<213> Homo sapiens

<400> 9429

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cctttccrat	ctgtargctt	ggtctgtawt	atgtgctgta	tttttagaat	gccgcc	176

<210> 9430

<211> 207

<212> DNA

<213> Homo sapiens

<400> 9430

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ccctcgccct	gccagcaggc	agctgtgccc	ctggcctgcc	cttcccggga	ccccttattc	180
caactcagct	cctctttgca	ctggaat				207

<210> 9431

<211> 239

<212> DNA

<213> Homo sapiens

<400> 9431

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taamggtgaa	ggcaaagctc	atgattctgg	tgctccaatt	ccctgagatt	aggccagtgg	180
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<210> 9432

<211> 436

<212> DNA

<213> Homo sapiens

<400> 9432

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aggcaggagt	tgcttcacta	atcaaaacct	tacattaata	tagttttacc	tagatctaag	180
ttctagtccc	aatcaaaaa	gcaatctgtg	gagttttcag	tataatttcg	tactgacagc	240
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ccattagcac	tgtaagttgt	tagtttgcc	gtttaccaaa	aatatgttga	gtttcggggc	360
acatacctta	aaattgccct	gtttcactgt	gtaagaggaa	ctggcttgac	tacttcaccc	420
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<210> 9433

<211> 181

<212> DNA

<213> Homo sapiens

<400> 9433

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cctttcaagc	ctgtctgtya	attaaccatg	tcagtattgg	caagcattta	tcttccccca	180
c						181

<210> 9434

<211> 241

<212> DNA

<213> Homo sapiens

<400> 9434

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tggcatcttg	ctgcctctgg	ctgtcctgtt	tgttgcaagg	ctcacaagga	ctttgctacc	180
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<210> 9435

<211> 224

<212> DNA

<213> Homo sapiens

<400> 9435

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gctactttct	attctagtcc	attctattct	atttcaattt	tttaacagcc	agttgtgact	180
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<210> 9436

<211> 322

<212> DNA

<213> Homo sapiens

<400> 9436

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tcgggagagt	ctcccgctc	agcctcacga	gtagctggga	tttcagggtgc	ctgccaccat	180
gcctggctaa	ttaagtcagt	ttcttaaagt	cctacaactg	gtgagctgtg	agctgtaaat	240
tgcggarsta	atttttatac	tgccaatctg	aggccttttc	tgacctcatc	gctgccactg	300
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<210> 9437

<211> 185

<212> DNA

<213> Homo sapiens

<400> 9437

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<211> 339

<212> DNA

<213> Homo sapiens

<400> 9438

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agatctttcc	tgctttccct	tgtgggcatt	tagtgetatc	aatttccctc	tacacactgc	240
tttaaagtgt	tcccagagat	tctgggtatgt	tgtgtctttg	ttctcattgg	tttcaaagaa	300
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<210> 9439
 <211> 222
 <212> DNA
 <213> Homo sapiens

<400> 9439						
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acacggtcct	cgtgtgggtg	ccttggtttt	acctctgggc	ctgtttcccc	ttctacttcc	180
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<210> 9440
 <211> 307
 <212> DNA
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<400> 9440						
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ccttctagaa	tcaccaagag	aggagccaaa	gaatcagcat	ggtagagtt	ttagagtcca	180
gtccaatttc	tggtaggctg	aatctgtacc	aaaacgtagg	gactgcattt	ttctgttcca	240
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ranttta						307

<210> 9441
 <211> 163
 <212> DNA
 <213> Homo sapiens

<400> 9441						
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<210> 9442
 <211> 469
 <212> DNA
 <213> Homo sapiens

<400> 9442						
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gagtctgaca	agatactcca	gcaccgaaat	tgtggaggga	acaaggggacc	cactgttttt	240
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agtctatgat	gtcaaggata	agtctcatga	caccgttcga	accagtgtcc	taccagaaca	360
taaggatccc	ccgccagaag	ttggggcgaag	tttcttgggc	tatgccagtt	ttaaagtggg	420
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<210> 9443

<211> 275
<212> DNA
<213> Homo sapiens

<400> 9443
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ggatattaac attycakaat tgcamcttaa aatcagcata tactactttg ctgctgtaat 180
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ttcttaacct gggatccaca tagtttgccc aaaag 275

<210> 9444
<211> 356
<212> DNA
<213> Homo sapiens

<400> 9444
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gccctgccta tgcctaagga ggatgcgcct agtgaccag cactgcctgc tctccacca 180
gccactgctg tacacctaaa actggtgcag ccctttgtac gcagaagcag tgcmcgcagc 240
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<210> 9445
<211> 269
<212> DNA
<213> Homo sapiens

<400> 9445
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gcctctctat gatcctgac tctgcctcac cagggcctca acactgcctg gaaatcagat 180
tttctctatc aaccctcttc ctctccataa tgacttttcc aacctctctc acacttctta 240
aatctctagg ttcatactga gcccatccc 269

<210> 9446
<211> 284
<212> DNA
<213> Homo sapiens

<400> 9446
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gttgaaaaaa aagaaaacaa caacaaagaa aaaaaacagc tattctttct gaattgaatt 180
acttctgcac atttgttaaa agtcagttgg gtctatttga gtgggtctat ttctaggttc 240
cctgttctgt ttcattaatc tatgtgtctc tcttcagcc aatg 284

<210> 9447
<211> 419
<212> DNA
<213> Homo sapiens

<400> 9447

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311

<210> 9452

<211> 333

<212> DNA

<213> Homo sapiens

<400> 9452

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caaaagtcct	taagagagtg	amaatgccag	tgagtctgca	gaagactcac	tgttacttta	180
tactaatcat	gggaagaacc	agggcccagg	tgggggtggtt	tgtgttctct	aaggggcctt	240
agcaagaatg	gaggacatgt	ttgagctgca	ggcaaaacgg	aatcagtgag	tgctacagct	300
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<210> 9453

<211> 324

<212> DNA

<213> Homo sapiens

<400> 9453

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aatgctgtat	ctgttctgtc	ggcctgtctc	ctcccattag	cctaagcaca	gccatgcatt	180
ttggcccgtt	cccactgtct	acataccctg	catttctaac	ttgtcagttc	tgccacacca	240
tctggggtag	gcagttcctt	ctccttcttc	actactacca	gtgcgcacgc	acacacgcac	300
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<210> 9454

<211> 314

<212> DNA

<213> Homo sapiens

<400> 9454

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ttgcacagtg	tcctgtcatc	acactagctc	ttgcctgtac	aatctctgcc	gctactccca	180
gtagctccta	gtaactcctg	gcacacattt	ctgaaatgtc	atttaggggc	tcaggaattt	240
tcagccacta	agagaggaaa	gctagctaac	attgatagga	atcaaaactt	gcatgtttta	300
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<210> 9455

<211> 423

<212> DNA

<213> Homo sapiens

<400> 9455

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tagccacgtg	tacttttacc	ccacccatcc	ctcctcatta	ttattattat	tattattttk	180
hgagacgcac	cattgcactc	gctcccaggc	tggagtgcaa	tggtgcgacc	ttggctcact	240
gcacgctctg	cctcccgggt	tcacaccatt	ctcctgcctc	agcctcccaa	gtagctgnka	300
ctacaggcgc	ctggaccacg	cccggcta	atTTTgtatt	tttagtagag	acagrntttt	360
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ccg

423

<210> 9456

<211> 221

<212> DNA

<213> Homo sapiens

<400> 9456

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cggtgtcaac	gctgcaggga	gttgtggcac	cttggtgccc	tctgagcacc	tgccgcctg	180
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<210> 9457

<211> 297

<212> DNA

<213> Homo sapiens

<400> 9457

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aagtatctat	tgctaggctt	tggagatagc	ataatgaaca	aaatggatgt	gctctctgcc	180
cttgtgattt	ggacagatgc	ttcagttatc	ttttctctgtg	tttatattga	ttatgtttgt	240
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<210> 9458

<211> 221

<212> DNA

<213> Homo sapiens

<400> 9458

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ccagcgatac	agtggcagac	aaagtcatgg	agcttacatt	ctagccaaga	ggaacagtca	180
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<210> 9459

<211> 232

<212> DNA

<213> Homo sapiens

<400> 9459

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ttcattgtcc	atatcactat	cagcattttg	gtcacaacaa	tttaacaagt	ctctaggagg	120
ttccaaatct	ttcctcatct	tcgtgtcttc	ttctgagccc	tccaaaacaa	tttaacaagt	180
ctctaggaag	ctctaaacct	ttccttatct	tcctgtcttc	ttctgagccc	ta	232

<210> 9460

<211> 440

<212> DNA

<213> Homo sapiens

<400> 9460

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catatacaca	caaatatata	tacacatgta	tacatacaca	cacaaacaca	cacgtatgtb	120
tgggtttttt	taaatgtttt	ttgagacacg	gtcttgcctc	atcaccacag	atagagggca	180
gtggtgcagt	catggttcac	tgaggcctct	acttcctggg	ctgaagtgat	tatcccgct	240
cagcctcctg	tgtaactggg	attacaggcg	ttccccacca	tgcttgga	ttttttgtgg	300
agatgggggt	ttaccatggt	gcccagaatg	gtttcaaact	cctgggctca	agcaatttac	360
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<210> 9461
 <211> 213
 <212> DNA
 <213> Homo sapiens

<400> 9461						
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ttactttctat	gttctgcttt	tcttctctct	tttgttccct	tctgtctat	ccattgagtt	180
tatgaaatgg	aagagttaac	tgcatgcct	tag			213

<210> 9462
 <211> 414
 <212> DNA
 <213> Homo sapiens

<400> 9462						
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ttctttctgc	ttagtgaaca	gtcagctcat	cctcacctca	gggcctttgc	acttgctcct	180
cttctgcttc	agacatcttc	ccagatctac	atgtaactgg	tttctttctg	gcattcaggt	240
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ccagtcattc	tttttctcat	taacctgttt	tgtttttata	ttgcctttta	tcagtaaatt	360
aaagtactat	tattgtttac	ttatttyttt	acttttctac	taaaacctcg	gncc	414

<210> 9463
 <211> 144
 <212> DNA
 <213> Homo sapiens

<400> 9463						
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atgaaacttc	tctttgggac	tgca				144

<210> 9464
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 9464						
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atagtgtgca	gtggaggtct	cttgtgggtc	tagatgtgtg	tktagagcta	aaccagcccc	180
cacccccacc	ctccacctgc	ccctcttgcc	tctggcyyct	ctgaccttgg	cccaggggacc	240
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<210> 9465
 <211> 307
 <212> DNA
 <213> Homo sapiens

<400> 9465
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 <211> 370
 <212> DNA
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<400> 9466
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 tccgtggggc 370

<210> 9467
 <211> 167
 <212> DNA
 <213> Homo sapiens

<400> 9467
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 ctgcctcagc ctccctagta gctgggacta caggcgcccg ccccgbs 167

<210> 9468
 <211> 379
 <212> DNA
 <213> Homo sapiens

<400> 9468
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 yttgagactc tggctgtttc tagttgtwtc ttgaagtggg gttttccact atcttttttt 180
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 gaaggtgagc gatggtaga 379

<210> 9469
 <211> 374

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<212> DNA

<213> Homo sapiens

<400> 9469

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tacgtgtgca	tgtgttacat	aataaattaa	ttctaacagc	cccatcttta	ggatccttct	180
gatcctttct	tcaatactat	acatcaagaa	agtcctagca	tctctacctc	atttactgaa	240
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gatatttcca	aagcattgaa	atccaagtga	tgaatgagct	ctcccttgct	gaaaatgctc	360
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<210> 9470

<211> 304

<212> DNA

<213> Homo sapiens

<400> 9470

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aaacaaggac	caagaagcag	tgctttgagt	aacttaggaa	agcagcagta	ggagctgcca	180
gactgaaaag	gaaattccaa	cagagtgaca	tgtgctaaac	gagggggcaa	caaaatttaa	240
gagcacacag	gaggagccta	atccagtcac	tggagtttca	gcacatgaga	acaaaagtac	300
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<210> 9471

<211> 216

<212> DNA

<213> Homo sapiens

<400> 9471

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ataggctgaa	gaaatgggtct	gggctgggtg	gtttgagaag	ctttctggca	cttctgtct	180
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<210> 9472

<211> 237

<212> DNA

<213> Homo sapiens

<400> 9472

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tgctgtgggt	cctgctgctg	aatctgggtc	ccgggcggc	gggggcccaa	ggcctgaccc	180
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<210> 9473

<211> 252

<212> DNA

<213> Homo sapiens

<400> 9473

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tgctgtwttt	gttttgwtcc	ctgggtcatct	ggaccttctt	agcttgcttg	atatcaaggt	120
gagaattgtc	aaggttggtt	gctgtctttg	gactttccat	cctgtcactc	ctctgctatc	180
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catccccgc	gt					252

<210> 9474
 <211> 471
 <212> DNA
 <213> Homo sapiens

<400> 9474						
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gacacatgtg	gcttttctcag	gaattttcaa	taaacgtgac	ttcactaggt	ggcctaagcc	240
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agcacctgtt	tgtgcctcaa	atggccacac	tttcagaat	gagtgtttct	tttgtgttga	360
acagagggaa	tttcattatc	gtataaaatt	tgaaaaatat	ggaaaatgtg	attaatgggt	420
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<210> 9475
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<400> 9475						
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<210> 9476
 <211> 185
 <212> DNA
 <213> Homo sapiens

<400> 9476						
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caggc						185

<210> 9477
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 <212> DNA
 <213> Homo sapiens

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ccagcacagt	tactgcatcc	ccaaacagtg	agcctcagct	ttgcctcttg	gaagttctgg	180
gataggacat	ccgggagtac	ccttcagcct	ggagctcggc	agtgcctccc	tgactctatg	240
caagaccccc	gggacgac					258

<210> 9478

<211> 147
 <212> DNA
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 ctgggtgcctg ggagtcctaa gcagcta 147

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 <211> 252
 <212> DNA
 <213> Homo sapiens

<400> 9479
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 tggaacacct gcctcagttt ccatgctctc tccagtgcc tccccgggtga agcagggaaa 180
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 aactggggcc ac 252

<210> 9480
 <211> 231
 <212> DNA
 <213> Homo sapiens

<400> 9480
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 aaggaattat cacatcaaat tccatagtaa aagcagctga ggtgagaaaa taggatgggt 180
 ttcaataaca aagcaatggg cgccaggggg tgttgagtaa ttggatgaaa g 231

<210> 9481
 <211> 339
 <212> DNA
 <213> Homo sapiens

<400> 9481
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 tgtatgcaca gggagagaga aagagagaga gagagagaga gactgatttg gtttctcatc 180
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<210> 9482
 <211> 299
 <212> DNA
 <213> Homo sapiens

<400> 9482
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 gctgggtaaa ccaaagaatt ttttgttttt tgtttttttt gagtcagggt ctagctctgt 180

cacccaggct ggaacgcact ggtgtgatca cggtcactg cagccttgac ctccctggct 240
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<210> 9483
 <211> 150
 <212> DNA
 <213> Homo sapiens

<400> 9483
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 gactgcaggc gcccaccacc atgcccggca 150

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 <211> 394
 <212> DNA
 <213> Homo sapiens

<400> 9484
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 ggtagagagg aagaagctgg caatgggctg gccagctgat gatgagtgg acaaagtcca 180
 cgaggagtgg gaggtggaag ctcggaacgga gcagggtggca aggagaactc atccactgag 240
 acattaggaa agaagacatg cagtgcctgga ggtgaagcag ccacatggtg accaggaggc 300
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 <211> 346
 <212> DNA
 <213> Homo sapiens

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 ttttaaattt taagttccag ggtacatgtg caggatatgc atgtttgtta cacaggtaaa 240
 cgtgtgccat ggtggtttgc tgcacctatc aaccctttac ctaggtatta agcccagcat 300
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<210> 9486
 <211> 470
 <212> DNA
 <213> Homo sapiens

<400> 9486
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 gttgtgtact ctttttcttt gtttttttaa tagatggcat tggccgggca tgggtggctca 240
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 caagndbagc ctgactaaca tggtaaaacc ccatctctac taaaaataca aaaaaattag 360
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<210> 9487
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 <212> DNA
 <213> Homo sapiens

<400> 9487
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 tgtatatatta cttttgtaag aaactgccaa actgtttcca aagtgcctgt atcatttcgc 180
 gctcccaaca gcaatgtcta agagttccag tagctacaca cctc 225

<210> 9488
 <211> 304
 <212> DNA
 <213> Homo sapiens

<400> 9488
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 aaagacaggg agatggagggc gggagatcaa ggactgcctg ggtagggga gaatcacacc 120
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 gttgggtcagg ctgggtctbga actcgctacc tcagggtgac cgctgcctg ggctcccaa 240
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<210> 9489
 <211> 181
 <212> DNA
 <213> Homo sapiens

<400> 9489
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 ctgtacctat gattacaaga gcgcagggag gagatacttg cacgaggcaa atcctgtggt 120
 taatgcacca aagcttccaa aaatctaact ctctctctac atcttactgt tctgcccagg 180
 g 181

<210> 9490
 <211> 333
 <212> DNA
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<400> 9490
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 gtagtctttc tggtagtaat tgttccattt tctctaccat gtctttwaac ctttctttca 300
 tattttgcat ttctttgtga ctataggctg cca 333

<210> 9491
 <211> 459
 <212> DNA
 <213> Homo sapiens

004220-032400

<400> 9491

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tatcttccct	ctcctcctga	aaattttctt	tctgtcactt	tatgtctggc	tatcaccact	180
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gcgctttgct	aactagaatg	tagattctga	ggccccattt	caggccaact	gatttgcagt	300
cacagggtacc	tgaattgctg	ccctcttgct	tankgtgcac	atccagtcgg	ccaccaaatc	360
ctgttgattc	tactcttgaa	atgcctcttg	aatccamtca	tctttatttc	ccctgctcta	420
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<210> 9492

<211> 199

<212> DNA

<213> Homo sapiens

<400> 9492

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aagccttgct	ttcaagctct	gaaattcttt	cttgtgcttg	tttgattcta	ttgtcaagac	120
ttccagtggt	cattttttgca	tttttttaag	tgtccttgat	tttcagaagt	tgtgattggt	180
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<210> 9493

<211> 367

<212> DNA

<213> Homo sapiens

<400> 9493

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cgctgtgcc	catggcaccc	cctcacccca	gctgtctggg	ttattttggg	cttcctcccg	120
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gtccagctcc	tttgcctggga	gggaagagtg	ttcctgcccc	gactccccgc	tgcccaagta	300
cagcaagagg	gcgaaagcac	ctgataaaaa	ttgagggtta	cattgttaat	atcccaaaag	360
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<210> 9494

<211> 430

<212> DNA

<213> Homo sapiens

<400> 9494

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tcctaaaata	tgccactttg	gcatactgat	tcttctgagc	cagaggcaat	ggagcaaaaa	360
cagatgcagg	gaaggctgtc	tgaccaccct	ctttctgttt	gaagcggaac	ataaaagttc	420
ccttgtgaaa						430

<210> 9495

<211> 185

<212> DNA

<213> Homo sapiens

<400> 9495

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tccgggtgcc	gtactgcctt	ttttccctc	tttcattctt	tctctccgtc	tttttctccc	180
cccaa						185

<210> 9496

<211> 250

<212> DNA

<213> Homo sapiens

<400> 9496

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ktctttctwt	ttcttttttt	gagatggagt	wttgctcttg	ttgcccaggc	tggagtgcag	180
tggcgtgatc	tcggctcgcc	acaacctcca	cctcccaggt	tcaagcaatt	tctcctgcct	240
cagcccccgc						250

<210> 9497

<211> 476

<212> DNA

<213> Homo sapiens

<400> 9497

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gagaaaagtt	gacctgtgct	gactctggtg	atggtgactg	tctctcacta	atttctttga	180
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gttttagagat	cactcagttt	ttaagactgg	cctttatcgt	gtctcagtgc	agccgaggca	360
gwkcctttga	aggatgcgat	gttgtcattc	ttactaatct	agtcywgccg	ctgaggtgac	420
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<210> 9498

<211> 383

<212> DNA

<213> Homo sapiens

<400> 9498

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caggctggag	tgagtgggc	caatctcggc	tcactgcaag	ctccgccttc	tgggttcattg	180
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gctaattttt	tattttttat	tttttagtag	agacgggggt	tcaccctgtt	agccaggatg	300
gcttcgatct	cctgacctcg	tgatctgccc	gccttggcct	cccaaagtgc	tgggattaca	360
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<210> 9499

<211> 243

<212> DNA

<213> Homo sapiens

<400> 9499

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atctcttttg	tcattgcaaag	agaggatrtg	gtgtttgtcc	acattggagg	atgcagcgac	180
adggcgtcac	cttggaaagta	gagagcagcc	ctcaggggat	gctgagcctg	tggaagtatg	240
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<210> 9500

<211> 222

<212> DNA

<213> Homo sapiens

<400> 9500

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acaacccagg	ttaggtcagg	gggatgtgcc	cttctcttcc	agccataggc	tgctctgagc	180
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<210> 9501

<211> 273

<212> DNA

<213> Homo sapiens

<400> 9501

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gccacacccg	ttttgtyttg	tytttcccat	tttttttttg	agcagtctca	ctgtgttgct	180
gaggcatgtc	ttaaactgct	ggcctcaagg	gatcctcctg	ccttggcctc	ccaaagtgtc	240
ggcaatatag	gtgtgagcca	ccactcctgg	ccc			273

<210> 9502

<211> 236

<212> DNA

<213> Homo sapiens

<400> 9502

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ctctcccttt	ctccttccct	tcttgctacg	tttcttccct	ctttttcatt	tttctccctt	180
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<210> 9503

<211> 484

<212> DNA

<213> Homo sapiens

<400> 9503

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atgggagaga	ggtttaattt	tccatgataa	ataaaaatct	ataaaaataat	aaacaagaga	180
aaagagattg	gaaacagcca	ggttgagca	gtgagttagt	aaggaaacct	ggctgccctc	240
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004220-004240

tggc

484

<210> 9504

<211> 196

<212> DNA

<213> Homo sapiens

<400> 9504

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taccgtgaca	agatgaggat	gcagagaatc	aaggctctgtg	agaagcgacc	cagcatagat	180
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<210> 9505

<211> 239

<212> DNA

<213> Homo sapiens

<400> 9505

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cgctcggcc	tcccaaragt	gcwrggatta	caggcattag	ccaccgcgcc	cagccctgtg	180
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<210> 9506

<211> 297

<212> DNA

<213> Homo sapiens

<400> 9506

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cagctgagcc	ctggaactcc	ccagaccccc	tctgccactc	catctctgcg	tcasccagca	180
cctgtgccct	atccggcttt	ggccaccatc	tccaccctgg	ggagggggag	cataaccccc	240
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<210> 9507

<211> 140

<212> DNA

<213> Homo sapiens

<400> 9507

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tcccagcggg	cagacaacaa	cacgagattg	ttcagcaagt	accacaagtc	cagcaggaga	120
gggctcagat	cccgccgcta					140

<210> 9508

<211> 204

<212> DNA

<213> Homo sapiens

<400> 9508

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caatgggaaa	tgtttgtagt	tgctgcctca	gagcaagata	tcarcagttg	dctttaattt	120

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aatccaccgt ctgccaccac aatc 204

<210> 9509
<211> 362
<212> DNA
<213> Homo sapiens

<400> 9509
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aattataatt tcattgtagt yttgatttac acttctctga tgatcagtga tgttgagcta 360
ag 362

<210> 9510
<211> 153
<212> DNA
<213> Homo sapiens

<400> 9510
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cggcgggggag ggaggatcct gtttcccacc tca 153

<210> 9511
<211> 328
<212> DNA
<213> Homo sapiens

<400> 9511
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gacttcgcgc gtggcttggt tttgctgagt ggaggcctgc gttttctgtk atgtctcttc 120
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accgggttgc ttaccgggcc ctccttcttc agattgcacc cctttccttg tgtctcttct 240
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ccctcttcgg acccattttc tcccgtgc 328

<210> 9512
<211> 374
<212> DNA
<213> Homo sapiens

<400> 9512
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ccctgtttat gaatgttttg ccttctctct actattatat cttgttttgt ttgagtttac 300
aaattttcag agtttcccta gctctggcac asactcatga ggttcctgtc tctactcata 360
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004220" 66667560

<210> 9513

<211> 286

<212> DNA

<213> Homo sapiens

<400> 9513

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agaccacaaa	cccaccggga	agaacgaaca	actccagacg	caccgcttta	agagctgtaa	180
tactcgttag	gaagggtgtg	agcttgactc	ctgagtcagc	gagaccatga	acccatcaga	240
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<210> 9514

<211> 163

<212> DNA

<213> Homo sapiens

<400> 9514

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gctctcttcc	tcttggtctc	ctagggtggg	agtacagcag	ccaaacgctg	aacttagtcc	120
catccacttc	catcttatcc	tttgtgcct	tcattccccg	agt		163

<210> 9515

<211> 170

<212> DNA

<213> Homo sapiens

<400> 9515

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gggtgtggag	aaggatcaat	cacagctgac	tcctcagagg	tgacagcccc	tgccccctta	120
aaaaccaaga	aaagacctag	cagtgwgaag	ccaaactgca	ccccagccg		170

<210> 9516

<211> 335

<212> DNA

<213> Homo sapiens

<400> 9516

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cttactgcaa	tctccacctc	ctgggggtcaa	gtgattcttg	tgctctccag	gtasctgggg	180
actataggca	ccaccacacc	cggctaattt	ttgggtgttt	ttgtttgttt	gtttttgtatt	240
tttagtagag	acgggggttc	accatgttgg	ccgggctggc	tgcaaactcc	tgacctcagg	300
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<210> 9517

<211> 373

<212> DNA

<213> Homo sapiens

<400> 9517

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tagctttaca	ttgttgattc	atggtggagg	cgaacaaact	atcgactgg	gggttgata	180

ccttgggtcca	gagaggtcct	tgtgacatat	ctcatggccc	attacctagg	tgatgtgagt	240
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ttgtccatag	ctgcttctct	gctacaatgt	agattagcag	ttgtaacaga	gactatatgg	360
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<210> 9518

<211> 251

<212> DNA

<213> Homo sapiens

<400> 9518

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cagtatgatt	aagttgaagc	tccttagcct	ccttcgacct	agtctctgca	tacctcaact	180
tttacgtacc	aatgctactc	tgctgttcac	aattgcctca	tgtaatctgc	agattcctgc	240
ctccccacga	c					251

<210> 9519

<211> 235

<212> DNA

<213> Homo sapiens

<400> 9519

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tgtagtrtgg	ctggaaaggt	aggaagggga	aaatagtttc	gggatagatg	gaagggtaaa	180
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<210> 9520

<211> 328

<212> DNA

<213> Homo sapiens

<400> 9520

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atgtgggatac	atacagtatt	TTTTTgtgac	tggttatta	tacttagcat	gatctacgbw	180
gtacgaggtg	tcagaatttc	gttcctttga	aaggctgaat	aatattccac	tggttttaga	240
tacaccacgt	tttgttgacc	cattcaccca	tcaagggacc	cadgttgctt	ccacatttta	300
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<210> 9521

<211> 141

<212> DNA

<213> Homo sapiens

<400> 9521

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<210> 9522

<211> 293

<212> DNA

<213> Homo sapiens

<400> 9522

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ggacgttcgt	ctttctagnn	aggcctaggc	gaggcctagg	acgagggcgg	cggagaacgc	180
ggrgagaagc	ccaccgtga	ggagccagct	gccgcgacgg	tgcggaraga	ttccgggaam	240
caagccctct	gcgcgatmmt	cgrgcgcggg	ccgcgcctc	tcaccccgct	cgc	293

<210> 9523

<211> 146

<212> DNA

<213> Homo sapiens

<400> 9523

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tttctttggc	tattcagagg	acatctattg	tgtgtcaggc	cctgtgctga	gctgttggtg	120
cctgacagca	ggaagagcgc	ggctct				146

<210> 9524

<211> 308

<212> DNA

<213> Homo sapiens

<400> 9524

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acctttatgt	acatacttat	atattcaaaa	caaatgcatg	gaatggaaac	tacaagaaag	120
gacttggtt	tgctgtctcc	ttctgcctcc	tattgtcatg	cttctgaggt	aaatagcatc	180
tctggagtcc	agccaggacc	ttggattttg	ctcatgctag	aaatgcccag	ggtggtgctt	240
ggtccacaga	aggtggattt	gttcaagctg	tacttctgaa	gacacatgtg	ggataattaa	300
caaggcat						308

<210> 9525

<211> 143

<212> DNA

<213> Homo sapiens

<400> 9525

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ccccaccaca	ctggccctcc	atggaagcct	tgatgcagtg	agccaggccc	aaggacgccc	120
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<210> 9526

<211> 319

<212> DNA

<213> Homo sapiens

<400> 9526

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ttcatgtttc	atctgaagtg	tgagttttat	aagaatttcc	taatggaagg	tctctctagg	180
gccttggtgtt	tcctctgttg	cagtagttct	gtagctctgc	tttcccagat	catgaaggag	240
acaagtatat	taatttaaaa	tagaattatt	atcctattct	ttgtatatta	gtcaaaatag	300
aatttaggcn	hccccccct					319

<210> 9527

<211> 158

<212> DNA

<213> Homo sapiens

<400> 9527

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atcaacattt	tagacataaa	agataatgtt	ggagatttgt	tttctctgaa	attgacttgc	120
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<210> 9528

<211> 251

<212> DNA

<213> Homo sapiens

<400> 9528

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ccagcccgcg	ccggctctgc	cactttggca	gcgttaagtg	tggaatcggg	gcctgtgtcc	120
gcgggcttgg	tgagttcttc	atatattaag	gattcattca	ttcatagact	cattttattga	180
aggctgtctg	tgtaacaggc	acaatcctag	gtgcttggga	tatagcagtg	aacaagagac	240
aaacccccgt	t					251

<210> 9529

<211> 457

<212> DNA

<213> Homo sapiens

<400> 9529

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gattcatgtg	tacaggaatt	taaattcagt	gtcttccact	taatacttgc	tatakdcctt	180
gtaaaagggtg	caggttctat	gggcttttgt	tttcacatct	ataagatgaa	aataatgtca	240
attttaatcag	atgattaggg	gaattaaaaat	gacaaaattgt	atgttaaaca	cctagcatag	300
tgcttggcac	ataacaagta	nncagtaatt	actaagtttt	attagtattt	tgagaataca	360
tacacgaagt	atgagtgacg	ttctgtgact	gatagtttag	tgtgttagan	ttgttattcc	420
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<210> 9530

<211> 196

<212> DNA

<213> Homo sapiens

<400> 9530

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<210> 9531

<211> 207

<212> DNA

<213> Homo sapiens

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aactgggaac	agtggagggg	gcttggtggg	aagtctagtt	ctgccgcagt	tgttttctgc	240
cttacstttg	acttggttac	cagctttcaa	ttagcaagtg	caattgaaag	tacacatttc	300
catgctgggc	gcgatggctc	acacctgt				328

<210> 9536
 <211> 180
 <212> DNA
 <213> Homo sapiens

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gggtctcgct	tgtctctcag
gctggaatgc	agtgggatga
120	
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tcctctcacc	tcagcctcca
180	

<210> 9537
 <211> 157
 <212> DNA
 <213> Homo sapiens

<400> 9537	
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cacagctaat	ttttaaaatt
tgtagagggt	tggtctcact
atgttgccca	ggctgttctc
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157	

<210> 9538
 <211> 141
 <212> DNA
 <213> Homo sapiens

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120	
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141	

<210> 9539
 <211> 250
 <212> DNA
 <213> Homo sapiens

<400> 9539	
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tctgactatc	twtactgttc
caaaacagtt	gtaatttccc
ccatttctat	ttattgctct
120	
ggaaacacat	gtcggtttat
tacacttttg	ctgtyttgk
ctgtgggtgt	tgagcgcagt
180	
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cccctgaggg	catggatgcs
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cccagcgcct	
250	

<210> 9540
 <211> 240
 <212> DNA
 <213> Homo sapiens

<400> 9540

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ccctcaccag	atgcccagtg	atccagccag	cagaattgat	ttgttacttg	atctccatgt	120
gtatatgcaa	atatttgcct	gtattttattg	tcacatcat	actttgggca	ctggccatgc	180
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<210> 9541

<211> 167

<212> DNA

<213> Homo sapiens

<400> 9541

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ggaagtgtt	ctctttggct	ttttcttggg	tacactgcag	tttcaggatt	gggtgagaca	120
gagacaaatg	aacccccctc	taaagtcatt	taactaatag	ccagcac		167

<210> 9542

<211> 173

<212> DNA

<213> Homo sapiens

<400> 9542

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caacagtttg	tctggtgcag	tgacccttca	ctatactcac	tctcgtcacc	tgacgtact	120
ctcaaagagt	gtacatcttc	tcacagctc	tccttagttt	gttcacgggc	cgc	173

<210> 9543

<211> 436

<212> DNA

<213> Homo sapiens

<400> 9543

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tttccaagca	agagtgttga	ctctttttaa	agaagagagt	ttcctcatcc	tdtacacaaa	180
tgcatattct	ttccctgctt	amwgtcttcc	cagctcttcc	acccacccca	cctaaacaca	240
ggaaaatgcc	tccgtggcgt	caggaacagt	caggtagact	ttcagtcctg	gcattttcag	300
gaacgtgttt	ccaagttagc	aatttgaaat	cttcawgtgc	tttnwgtgaa	acahmtcttg	360
htttatattg	ttccctttct	ttgagaaaga	aggamggtga	tgttggmctt	ccgtgctgaa	420
gatagagaag	aatcct					436

<210> 9544

<211> 451

<212> DNA

<213> Homo sapiens

<400> 9544

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ccagcttggg	accagagagc	ttccgttctc	ctacctttgg	caaaagtttt	cacttcgatc	180
cactatccag	tggtctacgc	tcctccagcc	tcaagtcagc	ccagggcaca	ggctttgagc	240
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gccttgattt	tgagtcagtg	caggcagggc	ctgnagccag	acccaccttt	aggctatacc	420
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<210> 9545

<211> 137

<212> DNA

<213> Homo sapiens

<400> 9545

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<210> 9546

<211> 379

<212> DNA

<213> Homo sapiens

<400> 9546

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gctttcattt	ccttgatctt	ttgtattgtt	ttcttagttt	caatttcatt	tatttggtcc	300
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<210> 9547

<211> 142

<212> DNA

<213> Homo sapiens

<400> 9547

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cctmwcaaag	tgctgagatt	ac				142

<210> 9548

<211> 155

<212> DNA

<213> Homo sapiens

<400> 9548

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<210> 9549

<211> 233

<212> DNA

<213> Homo sapiens

<400> 9549

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atccgcctgt	ctcagcctct	ccaagtgtctg	ggattacagg	cgtcagccac	tatgcccggc	180

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<210> 9550

<211> 274

<212> DNA

<213> Homo sapiens

<400> 9550

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gcdrasaaty	tgcagyttca	ctcctgagmm	cagcgagacc	gtgarccac	cgggaggaa	180
gaacaactcc	agaccgctg	ccttaagagc	tgtaacactc	actgcgaagg	tctgcagctt	240
cactcctgag	ccagcgagac	cacgaacca	mc			274

<210> 9551

<211> 173

<212> DNA

<213> Homo sapiens

<400> 9551

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ttgtgacaac	caaagaatgt	ttccaggcat	taccaaagt	aaccgcct	gat	173

<210> 9552

<211> 164

<212> DNA

<213> Homo sapiens

<400> 9552

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gactgtggga	tttcaaagwg	aacagaagaa	atcctgctca	cacacagaaa	gacctgacc	120
akgcaaanga	gcgcgtggtc	tttttattta	aaggagagga	gagt		164

<210> 9553

<211> 150

<212> DNA

<213> Homo sapiens

<400> 9553

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ctccgcctcc	tggtttcaag	gggtccgcsc	rmctcagcct	tctgagtagc	tgggacctca	120
ggaacgcaca	accacgcsc	gctaattttt				150

<210> 9554

<211> 305

<212> DNA

<213> Homo sapiens

<400> 9554

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caattttgca	gattttccaa	acaggtgact	tcagcccccg	ggcctgggca	ggaaggggta	120
gccagtgac	aatgggcata	gtccacttc	aggaacggga	aacgtgttg	ctggctctgt	180
ggagttctct	ctcttctgat	cccacagcat	ctgttccagt	tgtcttggcc	gctgggggat	240

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<210> 9555

<211> 342

<212> DNA

<213> Homo sapiens

<400> 9555

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cttctaccgc	caccatgtga	acttcaagtc	ctgggtgggtg	ggcgacatcc	ccgtgtcagg	180
ggcgctgctc	accgactgga	gcgacgacac	gatgaaggag	ctgcacctgg	ccatccccgc	240
caagwtcacc	cgggagaagc	tggaccaagt	ggcgacasag	tgtaccagat	gatggatmag	300
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<210> 9556

<211> 294

<212> DNA

<213> Homo sapiens

<400> 9556

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acgcctccac	cggctgcaga	cccattggyg	agcgcgggga	actcgacttg	accggcgcca	180
aacagaacac	aggagtgtgg	ctagtcaagg	ttcctaaata	tttgtcacag	caatgggcta	240
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<210> 9557

<211> 194

<212> DNA

<213> Homo sapiens

<400> 9557

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ttcctgggtt	caagcgattt	tcttgccctc	gcctcbcaag	tagctgggat	tacaggcacg	180
cgccaccacg	cccc					194

<210> 9558

<211> 407

<212> DNA

<213> Homo sapiens

<400> 9558

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tatctattta	agcctctctc	tctttctctc	ctccccaact	tttttctgaa	agccttgatt	240
tctgtagaca	gaactatggt	ttttggcatg	ttgggtcaag	acgtgtttct	ataggaaatg	300
cttgacagtg	gcactggctt	ggtagtcaa	gcttcctgag	cttcagaccg	tttgtcctgt	360
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<210> 9559

<211> 277
 <212> DNA
 <213> Homo sapiens

<400> 9559
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 gacgggggtt caccgtgttg gccaggatgg tctcgatctc ctgacctcgt gatccgcccg 180
 cctcgggtctc tcaaagtgtt gggattgcag gcgtgasayy gmgcccagcc ttttaatttca 240
 catttttctaa tagtcacatt taaaaagtaa agacaca 277

<210> 9560
 <211> 145
 <212> DNA
 <213> Homo sapiens

<400> 9560
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 cccacacccc caccaggctc aagccatcct cccacctcag cctcctgagc agctgggact 120
 gcgggcatgc gccaccacac ctggc 145

<210> 9561
 <211> 434
 <212> DNA
 <213> Homo sapiens

<400> 9561
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 agcttctcta tctttgaaca gtgccatta actcaagaat ataactgctt cctttgttct 180
 cwccttchtk gcccttctca atcatccctt aaaagcksc tctctgaga gggtaacctt 240
 gagcttcttg gttttgtaga tgtctatacc tgagatccga caatgtggta gaaggcaact 300
 gtgctgatga attaanncaa aaytcccac gcgtcgtgga ggagtacttt gtggcccccc 360
 caggtagcgt gctgccwnd aatgggttaa cagatagtct cacagtaacc ttaggdatga 420
 agcaggaagc atga 434

<210> 9562
 <211> 136
 <212> DNA
 <213> Homo sapiens

<400> 9562
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 ttttaaaatg ggcttc 136

<210> 9563
 <211> 431
 <212> DNA
 <213> Homo sapiens

<400> 9563
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tgttggtttg	gcaattactt	catgagtggg	actgttgctt	ttcatcacag	tgacagaatg	180
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ttgattcata	gggattatag	taggggttgc	tttgaattct	gtcattcttt	ctttgtttct	300
tagcmnnrat	acctataaag	aaaaacttct	cttctcctgg	ttagttactg	agtgggatgg	360
ttcatataag	aaaagtagga	taagatgctg	aagtcttttc	cgttatttcc	agggttataa	420
aaaaaatgcc	a					431

<210> 9564
 <211> 400
 <212> DNA
 <213> Homo sapiens

<400> 9564						
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cctaaaaatt	atgttatttg	gcattcttat	ctctaggaga	awataagtgt	atgaatttct	180
tatgaatctt	gggttttagt	catatgggta	ctcttttagt	ttacaaacta	cattgtatct	240
ttgcattaga	aggggtaata	attatcttaa	tagttgaaga	tgatttcctt	tcacttaaaa	300
ttcbavgc	aactttttca	gatgttgac	ttgtaagatc	taagagttga	aagttgaktg	360
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<210> 9565
 <211> 204
 <212> DNA
 <213> Homo sapiens

<400> 9565						
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ttcacctgcc	cctccccctg	atttcgcttc	agcccccttg	rwccccctta	caccacaca	180
accaacttca	gcctcamcct	ccct				204

<210> 9566
 <211> 337
 <212> DNA
 <213> Homo sapiens

<400> 9566						
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tgagtgaagt	tctgatgagt	ccagtatcca	gcctcaaata	ttccagctct	ggccaaagac	180
actgtggcgc	tcagaaatgc	catccctgcc	attctttacc	taagtttctg	attcagagaa	240
cccctaagca	aattcagttg	ttgttacctc	atgccagcaa	cttgtggggg	aatttttaat	300
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<210> 9567
 <211> 271
 <212> DNA
 <213> Homo sapiens

<400> 9567						
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tcttgattct	atcacaaaac	actgcacccg	aggcagccar	gcagyttccg	wagacctcgt	120
tttcgtwctt	gttgcccagg	ctggagtgc	atggcacagt	cttggctmac	tgcaacctcc	180

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tcccagttgg atgcagcaac atcagagggg t 271

<210> 9568
<211> 306
<212> DNA
<213> Homo sapiens

<400> 9568
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ttggacagaa tatgtggtta tgggactgcc cggtgccgga agaaatgtcg cagccaagaa 180
tacagaattg gaagatgtcc caacacctat gcatgctgtw tgagaaaatg ggatgagagc 240
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aggacc 306

<210> 9569
<211> 336
<212> DNA
<213> Homo sapiens

<400> 9569
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tggtgcccaa gctgggtctg aactcctggg ctcaagcaat cctcccrct cccagtgttg 180
agattatagg tatgtctaga ggtcagtttg gacagggaca ggaacctcta gacatgtttt 240
tctgggtgaa cgagataagc ggagaaatca cctaccccc gcagaaggca gatgcacctg 300
ctgtttctcc tgagagccca caaaagaagc ccccat 336

<210> 9570
<211> 156
<212> DNA
<213> Homo sapiens

<400> 9570
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ctcccaagta gctgggwyca caggtctcat aaaacagcag cgtgcatcct gtgaaacaga 120
gawgcaaat aacatcccgg tcagacctgg agatgc 156

<210> 9571
<211> 281
<212> DNA
<213> Homo sapiens

<400> 9571
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caccacacag ctgcgcctcc tgcaagtgtt ctttctggtg ttccccgatg gcgtccggcc 120
tcagccctct tcttccccat caggggmagt gccactctt tggagctgcw gcgagggacg 180
gatggcgga cctccagtc ccttcagag gcgactgcaa ctgccccggc cgtgcctgga 240
ctccctacag tggtcctac tctcgtgact cctcggccc a 281

<210> 9572
<211> 386
<212> DNA

<213> Homo sapiens

<400> 9572

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tagatsttta	acctttgtgc	tttctgttat	gtatatgcca	ttccttaatt	tgctgtaagc	180
tttgaatgaa	tgtgtgtaag	aataaatagt	caaaagacta	gagacaagcc	tctgaataaa	240
ctattttcagc	tttaaaactc	aaattttgtg	tacattttat	agtatagaaa	ttagaattat	300
aaaatgtatt	cacatatgca	catcattgag	cttcaacagt	tatcgactta	gggcbhatct	360
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<210> 9573

<211> 380

<212> DNA

<213> Homo sapiens

<400> 9573

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ttgttgctct	tcacgttttg	ggctctatacc	aactttatga	gctgtaacac	tcacggcgaa	120
ggctctgcagc	ttcactcctg	aagccagcga	gaccacgaac	ccaccagaag	gaagaaactc	180
caaacacatc	tgaatgtcag	aaggaaccaa	ctcccgaac	accatcttaa	gaactgtaac	240
actcactgca	aggggtccgtg	gcttcattct	tgaagtcac	gagaccgaaa	acccaccaat	300
tccggacaca	ctgggahyta	gagaagtga	caggatttct	tcagaccacc	tgaggccatt	360
ggcaatggac	acctagccac					380

<210> 9574

<211> 233

<212> DNA

<213> Homo sapiens

<400> 9574

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caatagaagg	cattagaaga	gaccttccat	atgcgcccac	cacattcttc	agcctaccta	120
tgtctgcacc	tttgtgtctt	cagtactgaa	ggttggatga	accgtctgtc	ctcttctcta	180
aggctggctc	ctctaccttt	gtaccctttt	tgccctacca	gcaattcacc	cca	233

<210> 9575

<211> 178

<212> DNA

<213> Homo sapiens

<400> 9575

gtctcccga	ccccaccagc	tctcccatcc	ccagcactcc	ctgtctccag	cctcctcctt	60
cctcatcccc	tttctccca	accctgctca	ggattgatcc	atgggcagca	gcctcttttg	120
ctcacatggc	ttaaccagac	cctgagccac	tcccaagccc	cacctctgtc	accacac	178

<210> 9576

<211> 194

<212> DNA

<213> Homo sapiens

<400> 9576

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tcttgctctg	tcgccaggct	ggagtgtagt	ggcacgaact	cagctcactg	caacctccgc	120

ttcctggggtt caagcgattt tcctgcctca gcctccsrag tagctgggat tacaggcacg 180
cgccaccacg cccc 194

<210> 9577

<211> 443

<212> DNA

<213> Homo sapiens

<400> 9577

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aagctgcagt	tattcctagt	gctagaagag	tgaaatagaa	aatgagggtta	cccagaaccc	120
atgattattg	tgctgttgag	gcttctcctg	ttggacgtga	gctttctcaa	cagcaactca	180
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aacacaaaca	tattttcccc	ctctcacctc	cagtgtccta	ccaataattt	ctattggtag	300
aacctaggaa	atgagctggc	aagagaacct	gcagcagggg	ttataattaa	catcttcatt	360
tgtaacaatc	cagttagaat	ttacctdrnc	ttagtttcar	nttacataca	acaacttttc	420
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<210> 9578

<211> 158

<212> DNA

<213> Homo sapiens

<400> 9578

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tcaaccgcgc	gcgcccccta	ccggctctgc	gaaggagccg	cagccgcccgc	gggaggccac	120
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<210> 9579

<211> 382

<212> DNA

<213> Homo sapiens

<400> 9579

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ctttttttttt	gagatggagt	cttgctttgt	tgcccaggat	agtgtgcagt	ggcacgatct	180
tggtcccttg	caacctctgc	ctcccggatt	caagcaattc	tgctgtctca	gcctcttgag	240
tagctgggac	acaggtgcat	gccaccactc	ctggccaatt	ttgtgttttt	agtaggggat	300
ttcacaatta	ttggtcaggc	tggtctcgaa	mtcctgacct	caggtgatac	accggcctcg	360
gcctcccaaa	gagctgggat	ta				382

<210> 9580

<211> 133

<212> DNA

<213> Homo sapiens

<400> 9580

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cgggttcaag	cagttctcct	gcctcagcct	cccaagtagc	tgcgactaga	ggcgacaccc	120
accacacca	ggc					133

<210> 9581

<211> 354

<212> DNA

<213> Homo sapiens

<400> 9581

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atttcacatcat	ggtcaagtca	actccaggag	gcagcatcat	ggacgatttg	gcttatgttc	120
tgcttttgtc	ttctacagaa	ccttgtgtct	cactgtwhgt	ctcmttcctg	gctgggggta	180
tcacatggca	tatccaactg	attccatgga	aagcttgtgt	ttaccctcaa	tagttagaga	240
cgtacaagga	tggagagggg	acagagccat	cttcccagaa	ccaacttctg	ccagaggagt	300
yycatgataa	ttccagccaa	aagawygmaa	acatgagtaa	tggctgtgam	ataa	354

<210> 9582

<211> 411

<212> DNA

<213> Homo sapiens

<400> 9582

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agggtaagtg	tttcttttgg	tctgtgggtc	ctctctaaaa	ctctaagatc	ttgaggggtg	120
catttcagaa	agtgcagcgt	gacccgcagt	ttgtgggaag	ccatggagct	cggcactgcc	180
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gtggggaaac	ctctcttttc	atcttcagga	agctcatgga	agtgaaattg	cagaaatggg	360
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<210> 9583

<211> 446

<212> DNA

<213> Homo sapiens

<400> 9583

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tgagcatttt	ctctggagcc	tgtcttttagc	cttctctctct	cacttgactg	catttacaat	300
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gagagttctg	gacagacatt	ctgactgtag	gacttctcca	tctacatgca	tcaamttatg	420
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<210> 9584

<211> 301

<212> DNA

<213> Homo sapiens

<400> 9584

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aaccctgttt	ttactaaaaa	tacaaaaatc	agctgggtgt	ggtggtggac	gcctgtaatc	180
ccagctactt	gggaaggctg	aggcaagaga	atcacttgaa	cccgggaggc	ggaggttgca	240
gtgagccgwg	attgcaccat	tgcactccag	cctgggcaaa	agagggaaac	tccatctcaa	300
a						301

<210> 9585

<211> 174
<212> DNA
<213> Homo sapiens

<400> 9585
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ggaggctgca agtgccgcag cccaggggcc ccagttggct gaacttaggc tcca 174

<210> 9586
<211> 299
<212> DNA
<213> Homo sapiens

<400> 9586
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aaagggcggg ctgttaagtg tgttgtttcc tgtgccccaa actctsnctg tgggccatca 180
aacagctgcc tgccgccttc ataacctccc tcaacctcca gcttgaacca cactccactg 240
cagccccgcg cccgctctvc tgagtgtcca tagtacctca ctttttctgg tagcccgca 299

<210> 9587
<211> 275
<212> DNA
<213> Homo sapiens

<400> 9587
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ccctcacctt gacaaccaca gaaragccaa agactgcaca catgtgcacc acactattta 180
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atgcgacacg tgccatgtac caactcccca caca 275

<210> 9588
<211> 198
<212> DNA
<213> Homo sapiens

<400> 9588
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tggagaggag gagggacacg gcatgggggg agtccgggaa gggagacgag cgtctgaaga 180
cgtcctcccc agggcaga 198

<210> 9589
<211> 263
<212> DNA
<213> Homo sapiens

<400> 9589
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tccaccacac ctggttaact tcatttdkat tttttgtaga gatgaggtct cactatggtg 180
cccaggctgg tcttgaactc ctagaccaag tgatcctcct cctttggcct cccagactgc 240

tgggatcact gcaccggcca ccw

263

<210> 9590

<211> 253

<212> DNA

<213> Homo sapiens

<400> 9590

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aatacattca	cattgttgca	tgaccatcac	caccatccat	ctbcagaact	tctcatctta	180
caaaactgga	actgtgtacc	cattaaacag	aaactcccta	ttacccccta	ctcaccaacc	240
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<210> 9591

<211> 218

<212> DNA

<213> Homo sapiens

<400> 9591

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gacctcaggt	gatccgccc	cctcggcctc	ccaaagtgt	gggattgcag	gcatgagcca	120
ctgcacccgg	ccagtggtaa	attttttttag	ggccttttat	gtggtctgtt	ctggaaagac	180
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<210> 9592

<211> 311

<212> DNA

<213> Homo sapiens

<400> 9592

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ctgcgtgatg	agcggcaatc	ctcagccagc	tctgtctgtg	aggagtaaga	cagggtgctgt	180
gkcttggect	gcatgatgsn	ccccccagcc	cgctccttca	gccggacatg	atgctccctt	240
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<210> 9593

<211> 202

<212> DNA

<213> Homo sapiens

<400> 9593

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gctcactgca	acctccacct	cccagggttca	agcgattctc	ctgcctcagc	ctcctgagta	180
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<210> 9594

<211> 138

<212> DNA

<213> Homo sapiens

<212> DNA

<213> Homo sapiens

<400> 9599

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<210> 9600

<211> 151

<212> DNA

<213> Homo sapiens

<400> 9600

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<210> 9601

<211> 283

<212> DNA

<213> Homo sapiens

<400> 9601

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acctgcaggt	attgggagat	ccacagccaa	gagccaggac	cccctagaag	tctagaaatg	180
gtaagagtac	cggccaaca	tccccagaga	ggggaggagc	tggttgatgg	gaagtggcag	240
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<210> 9602

<211> 315

<212> DNA

<213> Homo sapiens

<400> 9602

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tgaatgttca	ttttttgcag	gtctgtgtyy	gtcttgaggt	aaggattatt	ctcgcttgct	180
ggggtcatgg	tgttttggcc	tctcctggcc	tggactctca	aaaactcatc	atccttcata	240
ggtctgaagg	cttctacatt	cccaccagca	ggtggaccat	atgaactcaa	aactagttgt	300
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<210> 9603

<211> 137

<212> DNA

<213> Homo sapiens

<400> 9603

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gctctaaaac	cctcaca					137

<210> 9604

<211> 230

<212> DNA

<213> Homo sapiens

<400> 9604

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caggcatgta	ccaccaagcc	tggttaattt	ttgtactttt	tgtagagaca	gggttttgcc	180
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<210> 9605

<211> 188

<212> DNA

<213> Homo sapiens

<400> 9605

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cacgccattc	tctgcctca	gcctcccaag	tagctgggac	cacaggcacc	tgccaccaca	180
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<210> 9606

<211> 132

<212> DNA

<213> Homo sapiens

<400> 9606

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<210> 9607

<211> 190

<212> DNA

<213> Homo sapiens

<400> 9607

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cacgccattc	tctgcctca	gcctcccaag	tagmtgggac	cacaggcacc	tgccaccaca	180
cctggmcggr						190

<210> 9608

<211> 288

<212> DNA

<213> Homo sapiens

<400> 9608

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gagactggaa	gacccatgag	actgatcttg	tattcttggc	ctatctcaaa	cacaataact	180
tctcttcttg	agactctctg	gtgttttttt	tgttttgttt	agttttgttt	ttgacctagt	240
ctcactctgt	cgcccaggct	ggagtgcagt	ggcgttatct	ctgctcac		288

<210> 9609

<211> 287

<212> DNA

<213> Homo sapiens

<400> 9609

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gcagtgtttg	gtttttctgk	tcttgtgttc	tacttgcttt	taaaagtgat	acatgatcac	180
tgagaaagtt	ttgaaaatat	agcaaagaat	aaagaagaac	ataaacaggt	acataaaatc	240
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<210> 9610

<211> 332

<212> DNA

<213> Homo sapiens

<400> 9610

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tcattctgtg	tatttgtcca	tcttgttcgc	ttcactccag	gcagaatggc	ttcattcctc	180
aggtacgtga	ggcgccctcc	acctcaggac	gtctacactg	gctgattcct	ctacctagga	240
tgctgttcca	gcagatgtcc	acgtggcttc	cttcagtttc	ccattatcag	ttaggccttc	300
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<210> 9611

<211> 309

<212> DNA

<213> Homo sapiens

<400> 9611

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agtgggtttgc	ccacctcggc	ctcccgarkt	gctgggatta	caggtgtgaa	ccactgcacc	120
tggccccatt	cttatcagat	ttaaccttca	gtgagatttc	tctcgttcac	tctgtctgaa	180
gttgctcttc	ctctgattcc	tctccccctta	atgtgttttt	agttcatggc	acataacaca	240
atctgaattt	tcvttatcat	ttactattgt	tttttccttc	ttggaatgta	agctcattaa	300
gccccgacg						309

<210> 9612

<211> 235

<212> DNA

<213> Homo sapiens

<400> 9612

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caggctggag	tgagtgggc	agatctcggc	tcgctgcggg	ctctgcctcc	cagtttcaag	180
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<210> 9613

<211> 356

<212> DNA

<213> Homo sapiens

<400> 9613

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gctcactgca	acctctggct	cctggattca	ggcaattctc	ctgccttagc	ctcccagta	180
gctgggatta	caggcacgcg	ccaccacgcc	tggctaattt	tgtatgtgtt	ttttaatta	240
gagatggggg	tttactgtg	ttggccaggc	tggctctgaa	ctcctggcct	caggtgatct	300
gcccasctca	gtctcccaaa	gtgttgggat	tacaggcgtg	accaccaggc	ccagcc	356

<210> 9614

<211> 398

<212> DNA

<213> Homo sapiens

<400> 9614

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ccctaattct	tgagccatgc	cagcccgatg	gaaggagcta	atacaggatg	tgccccctcc	180
ccacaccaag	aaggaccctt	cctttttggg	ccttggtggg	tacttccagc	tgtggatcat	240
taactttggc	ctgttgacca	aaccactctg	cacggcatca	cgtgggtcca	tcctagaaca	300
tttggaacca	gcttgcccat	taactcccac	ttctaaaaac	tgaaagatgc	ccttttaatg	360
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<210> 9615

<211> 188

<212> DNA

<213> Homo sapiens

<400> 9615

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caggagactt	tggggattct	aggtaatgaa	aaggatcttc	tgagaatcac	tagacaagat	180
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<210> 9616

<211> 315

<212> DNA

<213> Homo sapiens

<400> 9616

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ccggagtgca	gtggcgagat	cttggctcac	tgcaacctct	gcctcctggg	ttcaagcagt	180
tctcctgctc	agccttccga	gtagctggga	ttacggcatg	tgccaccatg	cctagctaata	240
ttttgtatca	ttagtagaga	tggggtttca	ccagtcagcc	aggctggtct	cgaactccta	300
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<210> 9617

<211> 402

<212> DNA

<213> Homo sapiens

<400> 9617

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tgaacttct	tctacaaaac	caggctatgg	caggataaag	cccatgggct	ctatgtagtt	180
tatcgactct	tggtctatga	gaagatat	cacattcaga	ctttgtctag	ttagggtgac	240
tggtatatt	tcattgggca	aaatttgcca	tagagcagca	gtcctcaacc	ttttggcac	300
cagggacccg	ttttgtggaa	gacagttttc	cacagaccgg	cattagggga	tggtttcagg	360
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<210> 9618
 <211> 245
 <212> DNA
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<400> 9618	
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aatttgtaga	aaatgatata
caacc	
	60
	120
	180
	240
	245

<210> 9619
 <211> 376
 <212> DNA
 <213> Homo sapiens

<400> 9619	
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	60
	120
	180
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	300
	360
	376

<210> 9620
 <211> 219
 <212> DNA
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<400> 9620	
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	60
	120
	180
	219

<210> 9621
 <211> 442
 <212> DNA
 <213> Homo sapiens

<400> 9621	
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tggtgtgcaa	atcactgtgt
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ttkkttgta	ggaaaccctt
	60
	120
	180
	240
	300

gcacacccca	gagattcctc	atagagtttt	tgctgcagc	tcctaggctg	cagrttttac	360
wksctttctg	ggaggaaatg	agctagggtg	gatgmgatga	ctaagacagt	aactggcaaa	420
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<210> 9622

<211> 257

<212> DNA

<213> Homo sapiens

<400> 9622

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ctatatatat	gtgtatatat	atTTTTgttt	tttgagacaa	agtcttggtc	tgtggcccat	180
tctggagtgc	agtggcacia	tcatggctca	ctgcaacctt	gaactcctgg	gctcaggcag	240
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<211> 319

<212> DNA

<213> Homo sapiens

<400> 9623

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cccacttttt	gatagatttt	ttttttgtgt	ttkgtttttt	tgctgatttg	tttgggttcc	240
ttgtagatyc	kgaatattag	tcctttgyca	gatcatagtt	tgcaaatatt	ttctcccact	300
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<210> 9624

<211> 249

<212> DNA

<213> Homo sapiens

<400> 9624

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cttttttgta	tttttagtag	agatgggggt	tccccgtgtt	agccagtgtg	gtcttgatct	180
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accgcgccc						249

<210> 9625

<211> 245

<212> DNA

<213> Homo sapiens

<400> 9625

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ggccctcag	acattctgtt	tcatctccca	ttcatctccc	tctscacc	gtgtcagttt	180
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<210> 9626

<211> 154
<212> DNA
<213> Homo sapiens

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gctggcatta cagggtgccc ccaccacgcc cagc 154

<210> 9627
<211> 340
<212> DNA
<213> Homo sapiens

<400> 9627
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<211> 311
<212> DNA
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<400> 9628
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<210> 9629
<211> 320
<212> DNA
<213> Homo sapiens

<400> 9629
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<210> 9630
<211> 408
<212> DNA
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<400> 9630

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aaagacttgt	tttcagggtt	atcaactgtt	tattttcact	gacatttgag	catgttattt	180
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aaaaaattac	gtcagttaaa	aaaataaaaa	aactgcagtc	ttatgggtta	gaaaacdtgt	300
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 <211> 441
 <212> DNA
 <213> Homo sapiens

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<210> 9632
 <211> 327
 <212> DNA
 <213> Homo sapiens

<400> 9632		
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<210> 9634
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 <212> DNA
 <213> Homo sapiens

004220.666T50

<400> 9634

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<210> 9635

<211> 385

<212> DNA

<213> Homo sapiens

<400> 9635

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gttttcaaaa	tatcacatgt	acccccaaaa	tatgtaaaac	tggtatatac	aaataaataa	180
caaaactaaa	aataacagct	gtgcaaacat	ttttaaaagg	cttgctttta	atgggtttca	240
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<210> 9636

<211> 355

<212> DNA

<213> Homo sapiens

<400> 9636

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tcctggett	agaatcatcc	tgccttggcc	tcccaaagt	ctgggttaca	ggtgtgagcc	180
acctcacct	actaatcaaa	gcattatttt	gtttttgaga	tggagttttt	gctcttgttg	240
cvttaggctg	agtgcagcgg	tgcgatcttg	gctcactgca	acctctgcct	cccaggttca	300
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<210> 9637

<211> 330

<212> DNA

<213> Homo sapiens

<400> 9637

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attgacagag	ctcggggggc	gaagggtgca	gtgagccaag	atcacacaac	tgcattccag	300
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<210> 9638

<211> 367

<212> DNA

<213> Homo sapiens

<400> 9638

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aactcacact	agcttgttta	caagatgacg	acagtccaag	ggcagccttg	ggcacctgcc	180

atgtccctcc	tttccccagc	tatccccgct	ctgaccttga	ttttcattct	tatgtttttc	240
tcttttccct	tcagagctca	cacagtgggc	accattgtgg	caagcggctt	tctgggtctc	300
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caccgcc						367

<210> 9639
 <211> 135
 <212> DNA
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 <212> DNA
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gagagaatth	tgactctctt
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	476

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	360
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 <212> DNA
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<211> 215

<212> DNA

<213> Homo sapiens

<400> 9643

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attacaggtg	tgagccccc	tgcccggcct	ctgttctttt	gtatactatg	gaaatggtca	180
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<210> 9644

<211> 213

<212> DNA

<213> Homo sapiens

<400> 9644

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<210> 9645

<211> 187

<212> DNA

<213> Homo sapiens

<400> 9645

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gaattcaaat	atccccccag	gctatgtgag	ctctggcatc	tccattgagc	ttactgttcc	180
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<210> 9646

<211> 342

<212> DNA

<213> Homo sapiens

<400> 9646

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tctaccatt	accatatttd	nccaaaccag	acatcagcac	actggctacg	tgtgtgttta	300
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<210> 9647

<211> 326

<212> DNA

<213> Homo sapiens

<400> 9647

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aatctgcaga	aagtggggta	agaaagggca	catggcacag	ttaaagttgt	agaaatcaaa	240
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 <212> DNA
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 <212> DNA
 <213> Homo sapiens

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<210> 9650
 <211> 308
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ctgcgccagg tgggtcctcc ctgccaacct tccccagctc caatatgtag cagtctctct 120
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ccccccgac 189

<210> 9652
<211> 234
<212> DNA
<213> Homo sapiens

<400> 9652
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tgtagatagc tgtttataca gaagggtgaag tccaattttc gttattttaa aatggccagg 180
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<210> 9653
<211> 351
<212> DNA
<213> Homo sapiens

<400> 9653
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<210> 9654
<211> 155
<212> DNA
<213> Homo sapiens

<400> 9654
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<210> 9655
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<212> DNA
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<400> 9655
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ccactgtgcc cagaccaccc tacctgcevs ccaccaccaa tttttttttt tttt 174

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<211> 248
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<400> 9656

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ttttcagatg	ggatcttggt	ccattgcccc	ggctggagtg	cagtgatacg	ttcacggctc		240
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qcccttgatga ctccccqccc                                     140
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tgtggatctt	tcattaatac	aaagcctttt	atggggtaga	tggatgatta	gatagataga	240
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caqacagaca	cacacacaca	cacacaca				328

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ggggggaggac caaggcgttg gtatttttca gaagctccac tggtgattct gacagcacag   180
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4463

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<212> DNA

<213> Homo sapiens

<400> 9661

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ctaataccag	ccctttgaga	ggctgaggcg	ggtggatccc	atgaggtcag	gagtttgaga	180
ccagcctggc	caacatgacg	aatccccgtc	tctgctagga	atacaaaaat	tagctgggcg	240
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<210> 9662

<211> 163

<212> DNA

<213> Homo sapiens

<400> 9662

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<210> 9663

<211> 235

<212> DNA

<213> Homo sapiens

<400> 9663

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ttgttcttcc	ctggetcctg	cccactaggt	tatcgggctg	tatccaggga	tcaggcatgc	180
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<210> 9664

<211> 274

<212> DNA

<213> Homo sapiens

<400> 9664

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aaaggaagtg	aggtagtccg	gagtcagcgc	gggagttggc	agttacaggg	aggggctggg	240
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<210> 9665

<211> 162

<212> DNA

<213> Homo sapiens

<400> 9665

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<210> 9666

<211> 200

<212> DNA

<213> Homo sapiens

<400> 9666

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<211> 218

<212> DNA

<213> Homo sapiens

<400> 9667

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ttgtctggat	taccccgaca	actgggtcgt	tacgacttag	gagaaggaac	accagttcaa	180
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<210> 9668

<211> 336

<212> DNA

<213> Homo sapiens

<400> 9668

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<211> 317

<212> DNA

<213> Homo sapiens

<400> 9669

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<210> 9670

<211> 268

<212> DNA

<213> Homo sapiens

<400> 9670

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<210> 9674
 <211> 164
 <212> DNA
 <213> Homo sapiens

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<210> 9675

<211> 373

<212> DNA

<213> Homo sapiens

<400> 9675

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<210> 9676

<211> 453

<212> DNA

<213> Homo sapiens

<400> 9676

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gccattatcc	ctcagacatt	ctcctcatgg	cacattttct	tcaaagtcta	acatttactg	180
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<210> 9677

<211> 180

<212> DNA

<213> Homo sapiens

<400> 9677

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<210> 9678

<211> 187

<212> DNA

<213> Homo sapiens

<400> 9678

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<210> 9679

<211> 239

<212> DNA

<213> Homo sapiens

<400> 9679

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tggggcmaat	ccattttaat	gcwactaagt	tgtgggatgg	tttgtttgag	cagccccaga	180
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<210> 9680

<211> 147

<212> DNA

<213> Homo sapiens

<400> 9680

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<210> 9681

<211> 161

<212> DNA

<213> Homo sapiens

<400> 9681

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<210> 9682

<211> 281

<212> DNA

<213> Homo sapiens

<400> 9682

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gatcttatgc	gtgcttgctg	tttgaagytg	cagaaaagtg	aataatcaat	taagtattga	180
tttcttgtaa	gatttggtaa	atttcaaagg	caagacaaag	aggatggctt	aaggaaacac	240
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<210> 9683

<211> 282

<212> DNA

<213> Homo sapiens

<400> 9683

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aatgcctgaa	cattattctt	aggccctcgt	ggattttttt	tttcagaaaa	cttaaacaaa	180
aaaagactta	ctaagaaata	tgtacagcta	cccctgtttt	caggcactat	gtttgagamc	240
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<210> 9684

<211> 349

<212> DNA

<213> Homo sapiens

<400> 9684

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<210> 9685

<211> 170

<212> DNA

<213> Homo sapiens

<400> 9685

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<210> 9686

<211> 135

<212> DNA

<213> Homo sapiens

<400> 9686

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<210> 9687

<211> 158

<212> DNA

<213> Homo sapiens

<400> 9687

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<211> 435

<212> DNA

<213> Homo sapiens

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accagtacta	cttgatttgt	gttatatttc	ctatgtacat	gtacagcctt	tgttttgctt	180
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aggaatatac	agaagtaaaa	tcttgctctc	tctgctgatt	ctttaattaa	tatgagccgg	300
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agaatggaat ttttgaagaa aaatctcaaa gcctgtatcg ttcttgaagg tcacatgtac 420
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<212> DNA
<213> Homo sapiens

<400> 9689
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cctgcctcag actcccgagt agctgggatt acaggcgcac gccaccacac ctggctaatt 180
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<211> 169
<212> DNA
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<400> 9691
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<210> 9692
<211> 434
<212> DNA
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<400> 9692
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<213> Homo sapiens

<400> 9693

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ggatggtctt	gaactactga	cctcaggtga	tcctcacgcc	tttatctccc	aaagtgtctg	240
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<210> 9694

<211> 287

<212> DNA

<213> Homo sapiens

<400> 9694

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tggcaaaacc	ccatctctac	caaaaaatat	aaaaattagc	caggcatggt	gatggtgcac	180
ctatagtctc	aactgcttgg	gaggctgagg	tgggaggatt	gcttgagccc	aggaggcaga	240
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<210> 9695

<211> 318

<212> DNA

<213> Homo sapiens

<400> 9695

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cgtaaccctg	tttgacagac	tgcagagaca	gaaacctgtb	hgctcgtctg	ggctccagct	240
ctcctctctg	ctccttcact	cgcccccaac	gacccctcagt	gggtgccccct	tcttgtgcac	300
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<210> 9696

<211> 156

<212> DNA

<213> Homo sapiens

<400> 9696

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<210> 9697

<211> 447

<212> DNA

<213> Homo sapiens

<400> 9697

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gttgggtaga	tgtggcdaag	ttcaccagtg	cctgatgcta	ttcccactat	acccccgacg	180
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caatggcctt	ctaatttcaa	attttcacca	caaaaaatgt	tttcgtaggg	cattttacaa	300
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catc	
144	

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tgtggattta	ctgtaattca
gtcactctcc	tatgtctggg
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cttttgcatt	tacaaacaat
gttgcaatga	atcatctgat
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caaca	
245	

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<400> 9700	
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tttttgttgt	tgtttctgct
tttttggtgg	aggacacagg
120	
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cctcttaaac	ccagdtaccc
gtacca	
166	

<210> 9701
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 <212> DNA
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attaaagaca	gcacaatggg
gggccacttg	actgtatatt
120	
taatatacat	gctattaagc
tacttattga	cagagacggg
gatttttttt	ttctgaacag
180	
ccatctctgt	agccaccaac
tccttgcttt	gwacttaaca
gacaccccat	aatttggtga
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261	

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 <212> DNA
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CONFIDENTIAL

4473

<212> DNA

<213> Homo sapiens

<400> 9707

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<213> Homo sapiens

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<213> Homo sapiens

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tcaagcaatt	ctcctgcctc	agcctcctga	gtagctggga	ttacagggtgc	ccgccaccac	180
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<211> 249

<212> DNA

<213> Homo sapiens

<400> 9710

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gtacatgtgc	agaatgtgca	gttttggttac	ataggtatac	atgtgccatg	gtggtttgct	180
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<211> 212

<212> DNA

<213> Homo sapiens

<400> 9711

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gcacactcac	acagcttgac	ccacacgcac	acactcacac	ccagtcacac	acgtacacac	180
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 <212> DNA
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<400> 9712
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<210> 9714
 <211> 151
 <212> DNA
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 agctaaaatt aaaggaataa gtgagcgcgc a 151

<210> 9715
 <211> 216
 <212> DNA
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<400> 9715
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<400> 9716
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agttacacca	atctgggaaa	ggaggcctgt	actggggggg	tcctagaagg	gcagcctctc	180
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<210> 9718
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 <213> Homo sapiens

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gacctccagg	aagctgaagc ggaaattgcc taggccccctg gggcattgga ggtcctaccg 180
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 tgattttggg gcttggagcc ctgaggcaga tctgcaggac acagcctcgt taactctgaa 180
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<210> 9722
 <211> 316
 <212> DNA
 <213> Homo sapiens

<400> 9722
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 aacagaattg agtcagactg taactgaatt ttagagagaa atcatataac tagtgatgga 180
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<210> 9723
 <211> 246
 <212> DNA
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<400> 9723
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 agttggtaca cgtgtctgtt tgacggtagt tggtagtgtt ttctgtttga tggtagttgc 180
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<210> 9724
 <211> 360
 <212> DNA
 <213> Homo sapiens

<400> 9724
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 aagaagcttg ggcacttttg aaaggctctg gacaaagtga ggagagcagt gacaagtgtg 180
 attatagtc tgtaaaagtg aagctctata aagatcttcc ctcaagtactg gatgtaaata 240
 ctaaataatt aaactcagaa tcagttttaa tagatgtcct gcaggcacta aatagtggat 300
 aaaatatagt ttacatttta acaactagtt attacataat ctctttcaat tttccttaat 360

<210> 9725
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 9725
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 cccacttttac ttctccccag attactagtt gtttgtatag ggcaggggag aggggcttgg 180
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<210> 9726
 <211> 205
 <212> DNA
 <213> Homo sapiens

<400> 9726
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 gtacgatctt tatttactga ggaac 205

<210> 9727
 <211> 155
 <212> DNA
 <213> Homo sapiens

<400> 9727
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 aaaactgtaa ataagagctt ttgtactagc ccaac 155

<210> 9728
 <211> 432
 <212> DNA
 <213> Homo sapiens

<400> 9728
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 taccatttta ctttcatact ttatttgaaa caaggctctg ctatgttgcc cagctggcct 180
 tgaactcctg gcctcaagag attctcatgc ctcagcctcc cagagctttg ggattacagg 240
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 tctttccctg ttgatactgc ttgccctctg agcccatttc ctctcctgat catcgccctgc 420
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<210> 9729
 <211> 287
 <212> DNA
 <213> Homo sapiens

<400> 9729
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 gcctcagcct cctgagtgat gggactgcag gcacccgccca ccacgcccg ctaattttgt 180
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<210> 9730

<211> 301

<212> DNA

<213> Homo sapiens

<400> 9730

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gtggtgccat	ctcggttagc	tgcaagctct	gcctcccagg	ttaacgcctc	agcctcctgc	180
ctcagactcc	tgagtagctg	ggactacagg	tgcccgcac	cacgcccggc	taatttcttt	240
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<210> 9731

<211> 159

<212> DNA

<213> Homo sapiens

<400> 9731

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<210> 9732

<211> 296

<212> DNA

<213> Homo sapiens

<400> 9732

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actatatata	cttgttaaat	aaatagatct	cattcacccc	acgaaacaat	gatcgtttgt	180
ctcctgattc	tcaagttttt	gtctccagca	gagacbtcta	ttctgagctc	catagctaca	240
tatggggcct	tttatttcat	agttccactg	gaggtttcac	aaatccttca	aactca	296

<210> 9733

<211> 383

<212> DNA

<213> Homo sapiens

<400> 9733

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atctttctca	ttagtttaca	gtgcaatggt	atctcaggaa	tttttataaa	cagaaagagg	180
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gttctacaac	attgtctctt	cttaagaagc	attgttttta	tgagaaataa	tgaascttga	360
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<210> 9734

<211> 423

<212> DNA

<213> Homo sapiens

<400> 9734

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ctctdcttcc	ttattagtct	ggctagaagt	ttattttattt	tcttgatctt	ttcaaaaaac	180
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agttttttta	attgtgatgt	tacgggtgctg	attttagaca	tttttctgct	ttctcttggt	360
gggatgtagt	gctgtaaatt	tccctttcag	actacttttag	ctgtgctgta	ttttactttt	420
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<210> 9735

<211> 387

<212> DNA

<213> Homo sapiens

<400> 9735

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tagagtgcag	tggggagatc	tcagctcact	gcaacctctg	cctcctgggt	tgaagcaatt	180
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tttttgtatt	tttagtagag	atgggggttt	gccatgtcag	ccaggctggg	cttgaactcc	300
tggcctcagg	tgatccacyt	nkccccccns	mcccgcttg	gcctcccaa	gtactgggat	360
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<210> 9736

<211> 390

<212> DNA

<213> Homo sapiens

<400> 9736

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atttagtgct	ttttacatca	acattgaggc	tggcacgggt	gctcacgcct	atagtcctgg	240
ctcttggggg	ggctgatgag	ggtggatcac	ctgaggtcag	gagtttaagg	ccagcctggc	300
cagcatgggt	gaaccccatc	tctactaaaa	atacaaaaat	cagccaggcg	tggtgggtgtg	360
cgctgtgggt	ccagctactc	gggagggcgc				390

<210> 9737

<211> 324

<212> DNA

<213> Homo sapiens

<400> 9737

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gaatgactga	aaggtaaagg	aatcggtta	gaatctggag	atgacagagg	catgctttat	180
ttaatTTTTA	aattagtaag	gagtgcagac	ttkggggtgt	ggagagcaag	ggtttttttt	240
gttggtgttg	ctgtttgttt	ttgtgggggt	ttttttctgc	tggttattgc	caagtataat	300
gactttcttt	aaatccgaag	gaac				324

<210> 9738

<211> 399
<212> DNA
<213> Homo sapiens

<400> 9738
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ttttgctgtc cctgttgctc atgattttgt aaaagactaa aattgtaaaa gcacattctg 120
agcatggcca agtttttcag gtaaagtgtc actgagggaa atatgagtct gactctaggg 180
ccttgacctt ttctgccttc catgaggtat caggtctgcc ttctatagc catcttgttt 240
gtcattctgt ttggtcacac cagtgggttg gtttggagt gagatggatt gacgcagagc 300
ctcactggtg gaaggcaact caagcctcat gtcctgttgc tgatgggtca ggaacagcta 360
tagcctacat gaagggtgtc atttttaatt caagtgtc 399

<210> 9739
<211> 388
<212> DNA
<213> Homo sapiens

<400> 9739
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cagtcagata ctagtcaata tcaaatcatg tagatggcgg catttttaggc ctccggacacc 120
atccctacat gacagtgaac atgatgaact ctctgttaga aaattatata ggagtataaa 180
ccgaacagga acagcacacac ctgggaccca gacatgcagt acctctacgc aaagtaaaag 240
tagcagtggc tcagcacact ttggtatgtt gactgttaat gatgtacgtt tctatagaaa 300
tgtcaggtcc aaccatttcc catttggttc actatgtggt ctgttacatt tatggcttaa 360
agtcttttct cttaaacagt taaaaaaa 388

<210> 9740
<211> 410
<212> DNA
<213> Homo sapiens

<400> 9740
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gaatatgaac ataacaggaa ggtatcattg gctctgaatt aaatttgaac ttgtcccctg 180
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agtcctgtgt acagtttgtt cagaatacgt ccacccatt gggdsadkkg cttgtagaat 300
cagaagctaa agatattact tgcttgctcc tcttcccgt gactgadrcr cagaatgcag 360
tcgctaattg taccagatga trctacaaat cattctaact cctccaagga 410

<210> 9741
<211> 326
<212> DNA
<213> Homo sapiens

<400> 9741
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ggttgtatct tgagttactg gggagccatt aaaggggtta aggaagggga gtgtgtgtaa 240
tcagttatgt gttttgcaga ttctactctg actacagaat ggatgagagc agaatgggag 300
ttagagcaaa agaaatgagg aaatca 326

<210> 9742
 <211> 422
 <212> DNA
 <213> Homo sapiens

<400> 9742
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 tagaatatca atatttgggt tttgggttat ttaaataatg tgtgtgagaa atataaaaag 180
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 aa 422

<210> 9743
 <211> 316
 <212> DNA
 <213> Homo sapiens

<400> 9743
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 gtgggatgat gtgctggtca ggagccctt gggcatcgct tcccctgccc tttggtagtg 180
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 tgcacaaatg attgacaaga gatcaccaa aggattatct ctgaagggtg ttttttcttt 300
 atttcttttt cttttt 316

<210> 9744
 <211> 386
 <212> DNA
 <213> Homo sapiens

<400> 9744
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 gggcaggtgt tcacacttgg tgggacgggc aggggcccgc taccattgc tttctcagag 360
 attcttctact tggccttttg tcctca 386

<210> 9745
 <211> 209
 <212> DNA
 <213> Homo sapiens

<400> 9745
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<210> 9746

<211> 377
 <212> DNA
 <213> Homo sapiens

<400> 9746
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 tggcagggca ccatggggtt ctttctttgt ccagaaatag acactgggtc ctggactggg 180
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 aactaaaggg gccacctcat cttggcctct agataggact ctattcttta atgagtcctt 300
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<210> 9747
 <211> 415
 <212> DNA
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<400> 9747
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<210> 9748
 <211> 271
 <212> DNA
 <213> Homo sapiens

<400> 9748
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<210> 9749
 <211> 334
 <212> DNA
 <213> Homo sapiens

<400> 9749
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 cttattgttg agttttaata gctctttcta cttttggat atcagtcctt tatcagggng 300
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<210> 9750
 <211> 329

<212> DNA

<213> Homo sapiens

<400> 9750

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<210> 9751

<211> 357

<212> DNA

<213> Homo sapiens

<400> 9751

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<210> 9752

<211> 233

<212> DNA

<213> Homo sapiens

<400> 9752

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ratgactncc	tyctgccatt	ctctcttgag	ctagcagacc	gccgccaccc	tccaccctcc	180
cccggcaggg	cggagaggag	cggccggagt	cagcgatggt	gcccggcgag	awa	233

<210> 9753

<211> 422

<212> DNA

<213> Homo sapiens

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gcctgctgnb	ctcaggacca	gagaagggaa	atgacttctc	caggcagagg	cagatctgag	360
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<210> 9754

<211> 370

<212> DNA

<213> Homo sapiens

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<210> 9755
<211> 365
<212> DNA
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gatcgaaggg tgaggaccag ctccgctggg ggtggacggc ctggaaaagc cgccccctctt 240
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<210> 9756
<211> 232
<212> DNA
<213> Homo sapiens

<400> 9756
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gtaagagcag tgagagttag atccttgtcc aggtacagtt actggaggaa aagcttttat 180
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<210> 9757
<211> 183
<212> DNA
<213> Homo sapiens

<400> 9757
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cgc 183

<210> 9758
<211> 207
<212> DNA
<213> Homo sapiens

<400> 9758
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gggtttaaca tcagcagatg ggaagtctga tagttccaaa acaattcata ctaacaaatg 180
catctgtcctt ctttctcact ggcccgt 207

<210> 9759
<211> 374
<212> DNA
<213> Homo sapiens

<400> 9759
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ttgttatgtc ctttgcagga acatggatgg agctggaggc cattatcctt agcaaactaa 180
cacaggaata gaaaagcara tactgcatgn nctcacttac aagtgggagc tagatgatga 240
gaaaacacgg acacatagag gggaatgaca caaagwsttc aatttcatat atcagaarat 300
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gggtgatgaa taaa 374

<210> 9760
<211> 224
<212> DNA
<213> Homo sapiens

<400> 9760
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caggaaagct cttaattaga gattagtttg ttaacactgg cttgagtact tgagtgaatg 180
atggtgccat ttcctaagtc aggaaacact agagaaaagc aata 224

<210> 9761
<211> 327
<212> DNA
<213> Homo sapiens

<400> 9761
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gggtacgcag ctcatgtttt tggacagga cagttcttgt gttagtattt gtaatttctt 180
ttgccatccc actttctgaa aatagctttc ttgtgtaaag aaatctcttc tctcatgttg 240
gccagaatga ctgtcttcac ctctttttga gagagtcatt cacttctttt agccaaaacc 300
ctattgtatt gctagttaga gtgagcc 327

<210> 9762
<211> 303
<212> DNA
<213> Homo sapiens

<400> 9762
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ataaagggtg atcatattaa gcagagaaat ttttatgtta tgtttttatt tatttcattc 180
tatcctctgc ttcacgtgg catttgtcag cctgcatgtc tttccctggc tttcccttaa 240
agagaagtgg taggtattca gcattaaaac acaagttctc catctttgac tccagcggtc 300
cca 303

<210> 9763

<211> 183

<212> DNA

<213> Homo sapiens

<400> 9763

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aaaccatarg wggtcatttc agtcatttta cttgaggcta aatcattcat grcatacatg	180
tgt	183

<210> 9764

<211> 322

<212> DNA

<213> Homo sapiens

<400> 9764

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atwwgktwaa ccacctcatt ttaaattatg tcttaacttc aagcacagtg gtttccttgt	180
ttgttttaca gaaactagaa aaactgcttt tggaattatc tctacagtga agaaacctcg	240
gccatcagaa ggagatgrag rttgtcttcc agcttccaag aaagccaagt gtgagggcycg	300
raaagaatgc cccagtctct gt	322

<210> 9765

<211> 210

<212> DNA

<213> Homo sapiens

<400> 9765

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ttacttttgt gtgtgtgtgg ctttggaagc cagtagctac ttccttagtt cagttcttta	180
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<210> 9766

<211> 327

<212> DNA

<213> Homo sapiens

<400> 9766

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ttctctctct tttttctggt tgagcatatg aagatataaa acacttttaa gcaaacatta	180
gtgataaatg tccagaatag tctgattata aaacatttat ttttaagtgt gcttccacac	240
aagccattat gtaaagaata gccccagatt aggttgacta tggattcttt gcaaagcttt	300
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<210> 9767

<211> 354

<212> DNA

<213> Homo sapiens

<400> 9767

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gatagactat	atatatatat	gtatgtatat	gtgtatatat	atatatatat	aatttttttt	180
tttgagwcgg	agtcttgctc	tgtcaccrcg	gctggagtac	agctcacagc	aacctctgcc	240
tcccagggtc	aagcaattct	gcctcagcct	cccagtagc	tggaattaca	gacgcctgcs	300
rccacaccca	gctaattttt	cghatttttt	agtagagakg	gggtttcacc	atgt	354

<210> 9768
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 9768	
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taacagtcac	atcagggtaa
tggacaccct	cagctggaaa
ccacctgagc	ctgggtggggc
gcatagggga	cgctgcttag
tttagcaattg	ttttaaatta
aatcaccaca	aatcattggg
atggggcatg	tgagggtgct
atggggacatc	tttcacctca
gggggggctgc	gtcgtgagta
acagcagggc	ctgtggagtc
gtccatgcag	tcgctcaggg
ttctccaaat	ttctccaaat
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atgcagtgtg	180
cttcgtgtta	240
caagtcatag	300
ctcatgctcg	360
gcagcgcca	419

<210> 9769
 <211> 269
 <212> DNA
 <213> Homo sapiens

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gagtgcagtg	gcatgaagga
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agaattttatg	tgtgtgttcc
attagtccag	cactgcctca
agactgagtc	tcactctgtc
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agaagccctt	60
ttcacttcaa	120
accgaggctg	180
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	269

<210> 9770
 <211> 267
 <212> DNA
 <213> Homo sapiens

<400> 9770	
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acgcactgcg	ccaycacacc
gccaattactg	ttaacactta
attttcttct	gtttgtttgy
gagtgcagtg	gtgcgatctc
cctgcctcgg	cctctggagt
ctgaaagaag	60
ttgtttgttt	120
ggctcactgc	180
agccaggact	240
	267

<210> 9771
 <211> 301
 <212> DNA
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<400> 9771	
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ggctgtttgtg	tagtggcacg
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dbcttggtct	actgcaatct
ggatgacagg	cacgcgccac
ctgttgccca	60
ggttcaggcg	120
cataccacc	180

taatttttgt atttttagta aagaccattt caccacgttg atcaggctgg tcttgaactc 240
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t 301

<210> 9772
<211> 347
<212> DNA
<213> Homo sapiens

<400> 9772
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cttgaactcg tagcgttaat tgatcctccc acctttgcct cccaaagcac ttgtattata 120
gatatgagcc accacactta ccatgttctt taccaaacad tttgtggaag aggtgtagag 180
gtggcaaaaca attataaatt taagatatgt tcaactgtgga gtagagtatg attatttatt 240
tatttagaga tggagtttctg ctcttctcgc ccaggctgga gtgcagtggc acgatcttgg 300
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<210> 9773
<211> 239
<212> DNA
<213> Homo sapiens

<400> 9773
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ttttggaact cctgactgaa agcttcttag ttacacaca tgctcctcca ggatgaacgc 120
tgaaaataac tttttcgggt ttgtttgttt gttgttttc ctctatacaa ccccttgcaa 180
ttgctttgggt ttagaacacc tttggattct aagtttcatg gttgttctgg gagwyacca 239

<210> 9774
<211> 242
<212> DNA
<213> Homo sapiens

<400> 9774
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ggagaaaaat tgttcaagaa atgcaagaat gccagagctg ctggagcact gagtggggcc 120
gagaggggata aagatgaagc tggagaatta ggcagcaaca gagaatagtc attctgtgac 180
ctgtctagtg attccttga agaccctact tgaaaggctt gtctttttttt tttttttttt 240
tt 242

<210> 9775
<211> 410
<212> DNA
<213> Homo sapiens

<400> 9775
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gattttcagg macatccatg actgattact gggttttgat cttcttcaac ctccctcttca 120
catctgcccc tctgtcatt tatggtgttt tggagaaaga tgtgtctgca gagaccctca 180
tgcaactgcc tgaactttac agaagtggc agaaatcaga ggcatactta cccataacct 240
tctggatcac ctatttggat gctttttatc aaagcctggg ctgcttcttt gtgccttatt 300
ttacctacca gggctcagat actgacatct ttgcatttgg aacccctga acacagccgc 360
tctgttcac gttctcctcc atctgggtcat tgaaagcnag agtttgactt 410

<210> 9776
 <211> 397
 <212> DNA
 <213> Homo sapiens

<400> 9776
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 cgacctcctg ggctcaagca gtccctccac ttcagcctcc caagtagtca ggaccacagg 180
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 gtgctaggat tgcaggcatg agccaccaca ctacgtgat tcccttttta gtaaatctac 360
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<210> 9777
 <211> 272
 <212> DNA
 <213> Homo sapiens

<400> 9777
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 caggaagaga gaagggcaca gttacctaag tatcaacgta atcttctctg gccaggacag 180
 gccccatcg gtaatccacc agttggacca attggaggta tgatgccacc acagccaggc 240
 atcccacagc aacaaggaat gagaccccca at 272

<210> 9778
 <211> 415
 <212> DNA
 <213> Homo sapiens

<400> 9778
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 tacttccaaa gagaattggg ctgtttataa tgattttaat agagaaagat cccagggatc 180
 ggtcataatt ggtcttgttt gattatgtgg gcatccacaa acaaacaaac aaataacaga 240
 aacaaaatct gtaaatgttc ctttgtaaaa cttgtaaatt ttattttatac tgtcttgttt 300
 tgtacacaca tttctctgta gtgggctctg aatacattga aaatgcacta tttttttcta 360
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<210> 9779
 <211> 374
 <212> DNA
 <213> Homo sapiens

<400> 9779
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 agccaccact actagagcca ctctgtctc atcctggatg gttgacagag atgaaaacat 300
 cttgctaaag caaatataca gyccctttc actggctctc cagtctctct gctgtctttg 360
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<210> 9780

<211> 340

<212> DNA

<213> Homo sapiens

<400> 9780

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aattctggac	acttcccaga	gaagtctttg	agtagagaat	cctactcaaa	tttcaactgta	180
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tctcctctgg	tcatctcctc	tcccttctgc	gtgtaagcca	tgggaaaggg	atgagggagg	300
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<210> 9781

<211> 210

<212> DNA

<213> Homo sapiens

<400> 9781

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gaccttggtc	tccccgccgg	acttcgaggg	gtgtcatcgc	cgccctgtt	gggggtgagc	120
gccgcgcggc	tyccagcatg	cctcacagga	agaaaaagcc	ctttatagag	aagaagaaag	180
ctgtgtcttt	tcacttggtc	caccggacgc				210

<210> 9782

<211> 408

<212> DNA

<213> Homo sapiens

<400> 9782

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tccagacttt	ttttggattt	tgaaatgttt	gcgttatact	tacctgttga	acatcccaaa	180
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tttgaggcat	tttggtctttg	ggatgctgaa	ctcatctata	ttttatagat	cttttacttt	300
agagttgaga	tcacctgtca	kyrktttagt	tttatattac	agaggtgagt	gggtaaagga	360
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<210> 9783

<211> 295

<212> DNA

<213> Homo sapiens

<400> 9783

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ttgtttcatt	ttcttgcaag	acacactgaa	atctcaacgt	ttctatggaa	gttgtggtag	180
cctcccacat	cacaaattat	ttttaccctc	tattctgctt	agtgaggcct	agcctaagca	240
ccctatctat	ctaaagtagt	ctatgcctgt	ttgtcccaact	ctatcccctt	gaccc	295

<210> 9784

<211> 380

<212> DNA

<213> Homo sapiens

<400> 9784

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aaagagggtc	ctttttgagg	tgcatttgg	gctatgtttt	tcacattgtc	gtgcttctta	180
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<211> 139

<212> DNA

<213> Homo sapiens

<400> 9785

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cctggctggg	cgtctttgca	ggcagctggc	tgggtgtacgt	gcactactcg	tcctactcgg	120
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<210> 9786

<211> 243

<212> DNA

<213> Homo sapiens

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ttckgatcct	caagtcacct	tgatctwact	ggatgcacag	ctggaatata	atgattgaat	180
gaggcaatct	gtgcattaat	aaagcataac	ttgcaaaaca	agaaatttga	aaatggacca	240
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<210> 9787

<211> 214

<212> DNA

<213> Homo sapiens

<400> 9787

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tgccgtcaaa	acacctgggtg	caagtgtgta	ccatggtaaa	tgctatcaga	acagcaagga	180
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<210> 9788

<211> 233

<212> DNA

<213> Homo sapiens

<400> 9788

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atccgtttgd	tttcagctgc	gcttkcctgt	gavcttgctc	tgccgtgagt	ccctcgggtc	180
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<210> 9789
 <211> 279
 <212> DNA
 <213> Homo sapiens

<400> 9789
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<210> 9790
 <211> 364
 <212> DNA
 <213> Homo sapiens

<400> 9790
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 aata 364

<210> 9791
 <211> 166
 <212> DNA
 <213> Homo sapiens

<400> 9791
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 tcttggaata attcagtcca aaaaacwatt aggtgaggtc aagcat 166

<210> 9792
 <211> 322
 <212> DNA
 <213> Homo sapiens

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 aagcaatttt yctgccccag ck 322

<210> 9793
 <211> 275
 <212> DNA
 <213> Homo sapiens

004220" 6666666666

<400> 9793

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tgaagraggc	agaattgaga	ggctaacata	tttactcttg	tctaacttaa	gagtgccagg	180
aaagcagatg	cttagatctt	gtgtcaaagc	ttgttatctt	tttcatacta	ggattatggt	240
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<210> 9794

<211> 131

<212> DNA

<213> Homo sapiens

<400> 9794

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<211> 486

<212> DNA

<213> Homo sapiens

<400> 9795

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<210> 9796

<211> 474

<212> DNA

<213> Homo sapiens

<400> 9796

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gcctcccag	tagctgggac	tacaggtgtg	tgccaccacg	cccagcta	tttttgtatt	420
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<210> 9797

<211> 399

<212> DNA

<213> Homo sapiens

<400> 9797

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caaagggtta	ttttaggaaa	tatgaggatt	ttcctgaaca	gctgtaaaat	tctaataactt	300
ccctaaatta	tttatatttc	ttaagaaaaa	agagcaccat	tcactttatt	tttaactttg	360
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<210> 9798

<211> 203

<212> DNA

<213> Homo sapiens

<400> 9798

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ggtccgtttt	acagagtgy	grwtkggcer	akttttacag	agtggctgat	tgctaccttt	180
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<210> 9799

<211> 141

<212> DNA

<213> Homo sapiens

<400> 9799

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<210> 9800

<211> 457

<212> DNA

<213> Homo sapiens

<400> 9800

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tggggtcaga	accagaagt	agttctagct	atggctgcag	taactgctga	ctgctccaga	300
aactcaccat	ttcctgtgt	tgctaattca	tctaataactt	gcactggaaa	ccaactttct	360
attaactgaa	aaacaaacca	aagaggtgtg	ttggtaccat	ctggctgggt	gcctctgggt	420
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<210> 9801

<211> 466

<212> DNA

<213> Homo sapiens

<400> 9801

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tggttaattga	cagggtccat	gatcttgagg	aacttatgga	ttttagcagt	gggtcttagc	420
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<210> 9802
 <211> 398
 <212> DNA
 <213> Homo sapiens

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ctcttcaggc	cctgtcatgt	gacttgattt	tttcgtccat	tttagagaag	ctgtaccac	300
cctggtttca	ggacacggaa	ctaaatttat	taagaaaaga	agccacttca	agtcatgaag	360
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<210> 9803
 <211> 357
 <212> DNA
 <213> Homo sapiens

<400> 9803						
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ttatctggtg	aggacttggt	tgacgttgct	tgtgggagga	kggccaagca	cggaatggaa	240
gttgaatgtt	agaagtgcta	gacctccaga	ttcagtaaac	ttggagaatc	cctgtccctt	300
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<210> 9804
 <211> 410
 <212> DNA
 <213> Homo sapiens

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gggtcccgc	accacaccg	gctaatttht	tgtattthta	gtagagatga	ggtttcacca	240
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aagtgtctgg	atbacaggcc	tgagtccccg	cgccggtccg	atttatgaag	cdtgttactt	360
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<210> 9805
 <211> 506
 <212> DNA
 <213> Homo sapiens

<400> 9805						
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tcttaatat	ttaaatacgag	ttcaaaactcc	agtttcttta	gtatttcattg	acttttcta		300
tgtaaaat	gtcaggacag	taaaaattgt	attaacatat	agtgtctaga	gagaagttct		360
taaaattgcc	gattgtggt	gctgttagaa	ttggcagact	gaagacattg	atacacatgg		420
gaaatcattc	agggcagtg	ttaaarataa	aacgaaaaat	accttttcagc	aaatacaatc		480
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<210> 9806
 <211> 473
 <212> DNA
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	gttttgtcat
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	240
	300
	360
	420
	473

<210> 9807
 <211> 146
 <212> DNA
 <213> Homo sapiens

<400> 9807	
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	60
	120
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<210> 9808
 <211> 387
 <212> DNA
 <213> Homo sapiens

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aaagatgtaa	at
	ttcttgggaa
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	ttgaatgttt
	agaattgagc
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	60
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	360

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 <212> DNA
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	caacgcgcac
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<210> 9810
 <211> 271
 <212> DNA
 <213> Homo sapiens

<400> 9810
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 ggcttccsga gttcaagtga ttctccttcc tcagcttctc tggtagctgg gaatacaggt 180
 gtgtgccacc acacctggct aatttttttt tattttttta ttttttgtgt tttttggtag 240
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<210> 9811
 <211> 387
 <212> DNA
 <213> Homo sapiens

<400> 9811
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<210> 9812
 <211> 220
 <212> DNA
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<400> 9812
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<210> 9813
 <211> 424
 <212> DNA
 <213> Homo sapiens

<400> 9813
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 cttttctgtg ctattctcgt gataataagt cccacaagat ctggtgggtt tatgaagagt 240
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cctccccacct gatttttgagg cctccccagc catgttggaac tgtaagtcca attaaaccct	360
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<210> 9814
 <211> 159
 <212> DNA
 <213> Homo sapiens

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<210> 9815
 <211> 323
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<400> 9815	
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<210> 9816
 <211> 196
 <212> DNA
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<400> 9816	
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<210> 9817
 <211> 358
 <212> DNA
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<210> 9818
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 <212> DNA

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<213> Homo sapiens

<400> 9818

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<210> 9819

<211> 237

<212> DNA

<213> Homo sapiens

<400> 9819

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gacagggttt	tgccatgttg	cccarggetk	gtggytcvaa	htcctndhct	caagcgattt	180
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<210> 9820

<211> 200

<212> DNA

<213> Homo sapiens

<400> 9820

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<210> 9821

<211> 200

<212> DNA

<213> Homo sapiens

<400> 9821

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<210> 9822

<211> 359

<212> DNA

<213> Homo sapiens

<400> 9822

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